

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah

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Savannah, GA 31404

Tel: (912)354-7858

TestAmerica Job ID: 680-67790-1

TestAmerica Sample Delivery Group: HAQ034

Client Project/Site: Aqualon Hopewell - GW CA APR 2011
Revision: 1

For:

Ashland Inc.
Ashland Hercules Research Center
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Wilmington, Delaware 19808

Attn: Bruce Hough

Authorized for release by:

06/06/2011 02:00:41 PM

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Case Narrative

Client: Ashland Inc.
Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1
SDG: HAQ034

Job ID: 680-67790-1

Laboratory: TestAmerica Savannah

Narrative

Job Narrative 680-67790-1 / SDG HAQ034 (Revised)

Receipt

Samples were collected on April 26, 2011 and submitted for overnight delivery to the laboratory. Due to a shipping delay from the overnight carrier, samples were delivered to the laboratory on the second day following collection on April 28, 2011. As such, holding times for nitrate and nitrite analysis were compromised. The client was notified accordingly and instructed the laboratory to proceed with all analyses.

One amber glass liter was received broken for client sample MW-8U.

All other samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: Client sample MW-8U (680-67790-8) was reanalyzed due to target analytes exceeding the calibration range in the original analysis. In the reanalysis, target concentrations in the dilution do not correlate well to the undiluted run. There were no uncompromised vials remaining for additional re-analysis, and analytical hold time was expired. Both sets of data are reported.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C LL: The laboratory control sample and the laboratory control sample duplicate (LCS/LCSD) for batch 201675 exceeded control limits for the following analyte(s): hexachlorophene and 3,3 dimethylbenzidine. These analytes have been identified as a poor performing analytes when analyzed using this method; therefore, re-extraction/re-analysis was not performed. Batch precision also exceeded control limits for these analyte(s). These results have been reported and qualified.

Method(s) 8270C LL: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 4 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 201675 had 3 analytes outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8270C LL: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 201675 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8270C LL: The method blank for batch 201675 contained Acetophenone and 1,4-Dichlorobenzene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed. Samples have been flagged accordingly.

No other analytical or quality issues were noted.

GC VOA

Method(s) 8015B: Manual integration was performed on the following sample(s): CCVIS 680-201557/19 and for calibrants in the initial calibration.

No other analytical or quality issues were noted.

Metals

Method(s) 6020: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 680-201734 were outside control limits for beryllium, magnesium, manganese, sodium, and antimony. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 6020: Due to the high concentration of calcium, the matrix spike / matrix spike duplicate (MS/MSD) for batch 680-201734 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 6020: The method blank for batch 201734 contained Iron and Zinc above the method detection limit. This target analyte

Case Narrative

Client: Ashland Inc.
Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1
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Job ID: 680-67790-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed. Samples have been flagged accordingly.

No other analytical or quality issues were noted.

General Chemistry

Method(s) 353.2: The following sample(s) was received with greater than 50% of holding time expired: MW-3 (680-67790-10), MW-6 (680-67790-9), MW-8D (680-67790-7), MW-8U (680-67790-8), SDB-MW-1 (680-67790-11), SDB-MW-2 (680-67790-12), SDB-MW-3 (680-67790-13). As such, the laboratory had insufficient time remaining to perform the analysis within holding time.

No other analytical or quality issues were noted.

Comments

The report was reissued on June 6, 2011 in order to correct QC reporting for Allyl Alcohol in the Method 8015 analyses.

No additional comments.

Sample Summary

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-67790-7	MW-8D	Water	04/26/11 09:25	04/28/11 10:03
680-67790-8	MW-8U	Water	04/26/11 11:20	04/28/11 10:03
680-67790-9	MW-6	Water	04/26/11 11:45	04/28/11 10:03
680-67790-10	MW-3	Water	04/26/11 15:55	04/28/11 10:03
680-67790-11	SDB-MW-1	Water	04/26/11 14:25	04/28/11 10:03
680-67790-12	SDB-MW-2	Water	04/26/11 15:20	04/28/11 10:03
680-67790-13	SDB-MW-3	Water	04/26/11 16:10	04/28/11 10:03
680-67790-14	Trip Blank 1	Water	04/26/11 00:00	04/28/11 10:03

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Method Summary

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8270C LL	Semivolatile Organic Compounds by GCMS - Low Levels	SW846	TAL SAV
8015B	Nonhalogenated Organic Compounds - Direct Injection (GC)	SW846	TAL SAV
6020	Metals (ICP/MS)	SW846	TAL SAV
325.2	Chloride	MCAWW	TAL SAV
351.2	Nitrogen, Total Kjeldahl	MCAWW	TAL SAV
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	TAL SAV
375.4	Sulfate	MCAWW	TAL SAV
9060	Organic Carbon, Total (TOC)	SW846	TAL SAV

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Definitions/Glossary

Client: Ashland Inc.
Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1
SDG: HAQ034

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
A	The tentatively identified compound is a suspected aldol-condensation product.
J	Indicates an Estimated Value for TICs
N	This flag indicates the presumptive evidence of a compound.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
⊗	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: MW-8D

Lab Sample ID: 680-67790-7

Date Collected: 04/26/11 09:25

Matrix: Water

Date Received: 04/28/11 10:03

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25	5.0	ug/L			05/02/11 21:39	1
Acetonitrile	40	U	40	10	ug/L			05/02/11 21:39	1
Acrolein	20	U	20	7.4	ug/L			05/02/11 21:39	1
Acrylonitrile	20	U	20	7.2	ug/L			05/02/11 21:39	1
Allyl chloride	1.0	U	1.0	0.20	ug/L			05/02/11 21:39	1
Benzene	1.0	U	1.0	0.25	ug/L			05/02/11 21:39	1
Benzyl chloride	1.0	U	1.0	1.0	ug/L			05/02/11 21:39	1
Bromodichloromethane	1.0	U	1.0	0.25	ug/L			05/02/11 21:39	1
Bromoform	1.0	U	1.0	0.50	ug/L			05/02/11 21:39	1
Bromomethane	1.0	U	1.0	0.80	ug/L			05/02/11 21:39	1
2-Butanone	10	U	10	1.0	ug/L			05/02/11 21:39	1
Carbon disulfide	2.0	U	2.0	0.60	ug/L			05/02/11 21:39	1
Carbon tetrachloride	1.0	U	1.0	0.50	ug/L			05/02/11 21:39	1
Chlorobenzene	1.0	U	1.0	0.25	ug/L			05/02/11 21:39	1
Chloroethane	1.0	U	1.0	1.0	ug/L			05/02/11 21:39	1
Chloroform	1.0	U	1.0	0.14	ug/L			05/02/11 21:39	1
Chloromethane	1.0	U	1.0	0.33	ug/L			05/02/11 21:39	1
Chloroprene	1.0	U	1.0	0.30	ug/L			05/02/11 21:39	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.15	ug/L			05/02/11 21:39	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.11	ug/L			05/02/11 21:39	1
Dibromochloromethane	1.0	U	1.0	0.10	ug/L			05/02/11 21:39	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.44	ug/L			05/02/11 21:39	1
1,2-Dibromoethane	1.0	U	1.0	0.25	ug/L			05/02/11 21:39	1
Dibromomethane	1.0	U	1.0	0.20	ug/L			05/02/11 21:39	1
Dichlorodifluoromethane	1.0	U	1.0	0.25	ug/L			05/02/11 21:39	1
1,1-Dichloroethane	1.0	U	1.0	0.25	ug/L			05/02/11 21:39	1
1,2-Dichloroethane	1.0	U	1.0	0.10	ug/L			05/02/11 21:39	1
1,1-Dichloroethene	1.0	U	1.0	0.11	ug/L			05/02/11 21:39	1
1,2-Dichloropropane	1.0	U	1.0	0.13	ug/L			05/02/11 21:39	1
Diethyl ether	10	U	10	1.0	ug/L			05/02/11 21:39	1
Ethylbenzene	1.0	U	1.0	0.11	ug/L			05/02/11 21:39	1
Ethylene oxide	200	U	200	200	ug/L			05/02/11 21:39	1
Ethyl methacrylate	1.0	U	1.0	0.25	ug/L			05/02/11 21:39	1
2-Hexanone	10	U	10	1.0	ug/L			05/02/11 21:39	1
Iodomethane	5.0	U	5.0	1.0	ug/L			05/02/11 21:39	1
Isobutyl alcohol	40	U	40	11	ug/L			05/02/11 21:39	1
Methacrylonitrile	20	U	20	3.3	ug/L			05/02/11 21:39	1
Methylene Chloride	5.0	U	5.0	1.0	ug/L			05/02/11 21:39	1
Methyl methacrylate	1.0	U	1.0	0.48	ug/L			05/02/11 21:39	1
4-Methyl-2-pentanone (MIBK)	10	U	10	1.0	ug/L			05/02/11 21:39	1
Methyl tert-butyl ether	10	U	10	0.20	ug/L			05/02/11 21:39	1
n-Heptane	1.0	U	1.0	0.42	ug/L			05/02/11 21:39	1
Pentachloroethane	5.0	U	5.0	1.2	ug/L			05/02/11 21:39	1
Propionitrile	20	U	20	4.6	ug/L			05/02/11 21:39	1
Propylene oxide	200	U	200	200	ug/L			05/02/11 21:39	1
Styrene	1.0	U	1.0	0.11	ug/L			05/02/11 21:39	1
t-Butanol	5.0	U	5.0	2.6	ug/L			05/02/11 21:39	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.33	ug/L			05/02/11 21:39	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			05/02/11 21:39	1

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: MW-8D

Lab Sample ID: 680-67790-7

Date Collected: 04/26/11 09:25

Matrix: Water

Date Received: 04/28/11 10:03

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/02/11 21:39	1
Toluene	1.0	U	1.0	0.33	ug/L			05/02/11 21:39	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0	0.50	ug/L			05/02/11 21:39	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	ug/L			05/02/11 21:39	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.21	ug/L			05/02/11 21:39	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.35	ug/L			05/02/11 21:39	1
1,1,1-Trichloroethane	1.0	U	1.0	0.50	ug/L			05/02/11 21:39	1
1,1,2-Trichloroethane	1.0	U	1.0	0.13	ug/L			05/02/11 21:39	1
Trichloroethylene	1.0	U	1.0	0.13	ug/L			05/02/11 21:39	1
Trichlorofluoromethane	1.0	U	1.0	0.25	ug/L			05/02/11 21:39	1
1,2,3-Trichloropropane	1.0	U	1.0	0.41	ug/L			05/02/11 21:39	1
Vinyl acetate	2.0	U	2.0	0.28	ug/L			05/02/11 21:39	1
Vinyl chloride	1.0	U	1.0	0.18	ug/L			05/02/11 21:39	1
Xylenes, Total	2.0	U	2.0	0.20	ug/L			05/02/11 21:39	1
<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	None		ug/L					05/02/11 21:39	1
<i>Surrogate</i>	<i>% Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
4-Bromofluorobenzene	94		70 - 130					05/02/11 21:39	1
Dibromofluoromethane	103		70 - 130					05/02/11 21:39	1
Toluene-d8 (Surr)	102		70 - 130					05/02/11 21:39	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.19	U	0.19	0.095	ug/L			05/03/11 14:47	1
Acenaphthylene	0.19	U	0.19	0.095	ug/L			05/03/11 14:47	1
Acetophenone	0.11	J B	0.95	0.095	ug/L			05/03/11 14:47	1
2-Acetylaminofluorene	0.95	U	0.95	0.095	ug/L			05/03/11 14:47	1
alpha,alpha-Dimethyl phenethylamine	9.5	U	9.5	3.2	ug/L			05/03/11 14:47	1
4-Aminobiphenyl	4.8	U	4.8	0.30	ug/L			05/03/11 14:47	1
Aniline	1.9	U	1.9	0.92	ug/L			05/03/11 14:47	1
Anthracene	0.19	U	0.19	0.095	ug/L			05/03/11 14:47	1
Aramite, Total	1.4	U	1.4	0.10	ug/L			05/03/11 14:47	1
Benzo[a]anthracene	0.19	U	0.19	0.095	ug/L			05/03/11 14:47	1
Benzo[a]pyrene	0.19	U	0.19	0.095	ug/L			05/03/11 14:47	1
Benzo[b]fluoranthene	0.19	U	0.19	0.095	ug/L			05/03/11 14:47	1
Benzo[g,h,i]perylene	0.19	U	0.19	0.095	ug/L			05/03/11 14:47	1
Benzo[k]fluoranthene	0.19	U	0.19	0.095	ug/L			05/03/11 14:47	1
Benzyl alcohol	0.95	U	0.95	0.13	ug/L			05/03/11 14:47	1
1,1'-Biphenyl	0.95	U	0.95	0.095	ug/L			05/03/11 14:47	1
Bis(2-chloroethoxy)methane	0.95	U	0.95	0.095	ug/L			05/03/11 14:47	1
Bis(2-chloroethyl)ether	0.95	U	0.95	0.095	ug/L			05/03/11 14:47	1
Bis(2-ethylhexyl) phthalate	1.9	U	1.9	0.61	ug/L			05/03/11 14:47	1
4-Bromophenyl phenyl ether	0.95	U	0.95	0.11	ug/L			05/03/11 14:47	1
Butyl benzyl phthalate	0.95	U	0.95	0.11	ug/L			05/03/11 14:47	1
4-Chloroaniline	1.9	U	1.9	0.34	ug/L			05/03/11 14:47	1
4-Chloro-3-methylphenol	0.95	U	0.95	0.11	ug/L			05/03/11 14:47	1
2-Chloronaphthalene	0.95	U	0.95	0.095	ug/L			05/03/11 14:47	1
2-Chlorophenol	0.95	U	0.95	0.11	ug/L			05/03/11 14:47	1
4-Chlorophenyl phenyl ether	0.95	U	0.95	0.095	ug/L			05/03/11 14:47	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: MW-8D

Lab Sample ID: 680-67790-7

Date Collected: 04/26/11 09:25

Matrix: Water

Date Received: 04/28/11 10:03

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	0.19	U	0.19	0.043	ug/L		05/03/11 14:47	05/09/11 14:27	1
Diallate	0.95	U	0.95	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
Dibenz(a,h)anthracene	0.19	U	0.19	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
Dibenzofuran	0.95	U	0.95	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
1,2-Dichlorobenzene	0.95	U	0.95	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
1,3-Dichlorobenzene	0.95	U	0.95	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
1,4-Dichlorobenzene	0.15	J B	0.95	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
3,3'-Dichlorobenzidine	19	U	19	1.9	ug/L		05/03/11 14:47	05/09/11 14:27	1
2,4-Dichlorophenol	0.95	U *	0.95	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
2,6-Dichlorophenol	0.95	U	0.95	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
Diethyl phthalate	0.95	U	0.95	0.10	ug/L		05/03/11 14:47	05/09/11 14:27	1
Dimethoate	1.9	U	1.9	0.11	ug/L		05/03/11 14:47	05/09/11 14:27	1
7,12-Dimethylbenz(a)anthracene	0.95	U	0.95	0.19	ug/L		05/03/11 14:47	05/09/11 14:27	1
3,3'-Dimethylbenzidine	19	U *	19	4.8	ug/L		05/03/11 14:47	05/09/11 14:27	1
2,4-Dimethylphenol	1.9	U *	1.9	0.66	ug/L		05/03/11 14:47	05/09/11 14:27	1
Dimethyl phthalate	0.95	U	0.95	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
Di-n-butyl phthalate	0.95	U	0.95	0.37	ug/L		05/03/11 14:47	05/09/11 14:27	1
4,6-Dinitro-2-methylphenol	4.8	U	4.8	0.12	ug/L		05/03/11 14:47	05/09/11 14:27	1
2,4-Dinitrophenol	9.5	U	9.5	1.0	ug/L		05/03/11 14:47	05/09/11 14:27	1
2,4-Dinitrotoluene	0.95	U	0.95	0.11	ug/L		05/03/11 14:47	05/09/11 14:27	1
2,6-Dinitrotoluene	0.95	U	0.95	0.12	ug/L		05/03/11 14:47	05/09/11 14:27	1
Di-n-octyl phthalate	0.95	U	0.95	0.16	ug/L		05/03/11 14:47	05/09/11 14:27	1
1,4-Dioxane	1.9	U	1.9	0.30	ug/L		05/03/11 14:47	05/09/11 14:27	1
Disulfoton	0.95	U	0.95	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
Ethyl methanesulfonate	1.9	U	1.9	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
Ethyl Parathion	1.9	U	1.9	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
Famphur	0.95	U	0.95	0.15	ug/L		05/03/11 14:47	05/09/11 14:27	1
Fluoranthene	0.19	U	0.19	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
Fluorene	0.19	U	0.19	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
Hexachlorobenzene	0.95	U	0.95	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
Hexachlorobutadiene	0.95	U	0.95	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
Hexachlorocyclopentadiene	1.9	U	1.9	0.48	ug/L		05/03/11 14:47	05/09/11 14:27	1
Hexachloroethane	0.95	U	0.95	0.48	ug/L		05/03/11 14:47	05/09/11 14:27	1
Hexachlorophene	480	U *	480	24	ug/L		05/03/11 14:47	05/09/11 14:27	1
Hexachloropropene	0.95	U	0.95	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
Indeno[1,2,3-cd]pyrene	0.19	U	0.19	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
Isophorone	0.95	U	0.95	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
Isosafrole	0.95	U	0.95	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
m-Dinitrobenzene	0.95	U	0.95	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
Methapyrilene	190	U	190	1.2	ug/L		05/03/11 14:47	05/09/11 14:27	1
3-Methylcholanthrene	0.95	U	0.95	0.48	ug/L		05/03/11 14:47	05/09/11 14:27	1
Methyl methanesulfonate	1.9	U	1.9	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
2-Methylnaphthalene	0.19	U	0.19	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
Methyl parathion	0.95	U	0.95	0.12	ug/L		05/03/11 14:47	05/09/11 14:27	1
2-Methylphenol	1.9	U	1.9	0.71	ug/L		05/03/11 14:47	05/09/11 14:27	1
3 & 4 Methylphenol	1.9	U *	1.9	0.63	ug/L		05/03/11 14:47	05/09/11 14:27	1
1-Naphthalenamine	4.8	U	4.8	1.2	ug/L		05/03/11 14:47	05/09/11 14:27	1
2-Naphthalenamine	4.8	U	4.8	1.2	ug/L		05/03/11 14:47	05/09/11 14:27	1
Naphthalene	0.19	U	0.19	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: MW-8D

Lab Sample ID: 680-67790-7

Matrix: Water

Date Collected: 04/26/11 09:25

Date Received: 04/28/11 10:03

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Naphthoquinone	0.95	U	0.95	0.48	ug/L		05/03/11 14:47	05/09/11 14:27	1
2-Nitroaniline	0.95	U	0.95	0.15	ug/L		05/03/11 14:47	05/09/11 14:27	1
3-Nitroaniline	4.8	U	4.8	0.15	ug/L		05/03/11 14:47	05/09/11 14:27	1
4-Nitroaniline	4.8	U	4.8	0.48	ug/L		05/03/11 14:47	05/09/11 14:27	1
Nitrobenzene	0.95	U	0.95	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
5-Nitro-o-toluidine	0.95	U	0.95	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
2-Nitrophenol	0.95	U	0.95	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
4-Nitrophenol	4.8	U	4.8	0.48	ug/L		05/03/11 14:47	05/09/11 14:27	1
4-Nitroquinoline-1-oxide	1.9	U	1.9	1.0	ug/L		05/03/11 14:47	05/09/11 14:27	1
N-Nitrosodiethylamine	0.95	U	0.95	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
N-Nitrosodimethylamine	0.95	U	0.95	0.24	ug/L		05/03/11 14:47	05/09/11 14:27	1
N-Nitrosodi-n-butylamine	0.95	U	0.95	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
N-Nitrosodi-n-propylamine	0.95	U	0.95	0.12	ug/L		05/03/11 14:47	05/09/11 14:27	1
N-Nitrosodiphenylamine	0.95	U	0.95	0.35	ug/L		05/03/11 14:47	05/09/11 14:27	1
N-Nitrosomethylethylamine	1.9	U	1.9	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
N-Nitrosomorpholine	0.95	U	0.95	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
N-Nitrosopiperidine	0.95	U	0.95	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
N-Nitrosopyrrolidine	0.95	U	0.95	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
o,o',o"-Triethylphosphorothioate	0.95	U	0.95	0.12	ug/L		05/03/11 14:47	05/09/11 14:27	1
o-Toluidine	0.95	U	0.95	0.12	ug/L		05/03/11 14:47	05/09/11 14:27	1
2,2'-oxybis[1-chloropropane]	0.95	U	0.95	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
p-Dimethylamino azobenzene	4.8	U	4.8	0.14	ug/L		05/03/11 14:47	05/09/11 14:27	1
Pentachlorobenzene	0.95	U	0.95	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
Pentachloronitrobenzene	0.95	U	0.95	0.48	ug/L		05/03/11 14:47	05/09/11 14:27	1
Pentachlorophenol	4.8	U	4.8	0.38	ug/L		05/03/11 14:47	05/09/11 14:27	1
Phenacetin	0.95	U	0.95	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
Phenanthrone	0.19	U	0.19	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
Phenol	0.95	U	0.95	0.12	ug/L		05/03/11 14:47	05/09/11 14:27	1
Phenyl ether	0.95	U	0.95	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
Phorate	0.95	U	0.95	0.19	ug/L		05/03/11 14:47	05/09/11 14:27	1
2-Picoline	1.9	U	1.9	0.14	ug/L		05/03/11 14:47	05/09/11 14:27	1
p-Phenylenediamine	190	U	190	15	ug/L		05/03/11 14:47	05/09/11 14:27	1
Pronamide	0.95	U	0.95	0.11	ug/L		05/03/11 14:47	05/09/11 14:27	1
Pyrene	0.19	U	0.19	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
Pyridine	4.8	U	4.8	0.70	ug/L		05/03/11 14:47	05/09/11 14:27	1
Safrole, Total	0.95	U	0.95	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
2-sec-Butyl-4,6-dinitrophenol	1.9	U	1.9	0.14	ug/L		05/03/11 14:47	05/09/11 14:27	1
Sulfotep	0.95	U	0.95	0.13	ug/L		05/03/11 14:47	05/09/11 14:27	1
1,2,4,5-Tetrachlorobenzene	0.95	U	0.95	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
2,3,4,6-Tetrachlorophenol	0.95	U	0.95	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
Thionazin	0.95	U	0.95	0.19	ug/L		05/03/11 14:47	05/09/11 14:27	1
1,2,4-Trichlorobenzene	0.95	U	0.95	0.095	ug/L		05/03/11 14:47	05/09/11 14:27	1
2,4,5-Trichlorophenol	0.95	U	0.95	0.11	ug/L		05/03/11 14:47	05/09/11 14:27	1
2,4,6-Trichlorophenol	0.95	U	0.95	0.16	ug/L		05/03/11 14:47	05/09/11 14:27	1
1,3,5-Trinitrobenzene	0.95	U	0.95	0.48	ug/L		05/03/11 14:47	05/09/11 14:27	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	29	T J	ug/L		3.43		05/03/11 14:47	05/09/11 14:27	1
Unknown	1.8	T J	ug/L		3.51		05/03/11 14:47	05/09/11 14:27	1
Unknown	1.5	T J	ug/L		3.65		05/03/11 14:47	05/09/11 14:27	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: MW-8D

Lab Sample ID: 680-67790-7

Matrix: Water

Date Collected: 04/26/11 09:25

Date Received: 04/28/11 10:03

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	27	T J	ug/L		3.98		05/03/11 14:47	05/09/11 14:27	1
Unknown	5.5	T J	ug/L		5.03		05/03/11 14:47	05/09/11 14:27	1
Unknown	1.5	T J	ug/L		8.65		05/03/11 14:47	05/09/11 14:27	1
Unknown	1.5	T J	ug/L		12.17		05/03/11 14:47	05/09/11 14:27	1
Octadecanoic acid, butyl ester	3.3	T J N	ug/L		13.22	123-95-5	05/03/11 14:47	05/09/11 14:27	1
(Carbethoxyethylidine)triphenylphosphine	19	T J N	ug/L		14.00	5717-37-3	05/03/11 14:47	05/09/11 14:27	1
Unknown	2.5	T J	ug/L		14.05		05/03/11 14:47	05/09/11 14:27	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	68		34 - 130				05/03/11 14:47	05/09/11 14:27	1
2-Fluorophenol	60		25 - 130				05/03/11 14:47	05/09/11 14:27	1
Nitrobenzene-d5	65		32 - 130				05/03/11 14:47	05/09/11 14:27	1
Phenol-d5	60		27 - 130				05/03/11 14:47	05/09/11 14:27	1
Terphenyl-d14	92		36 - 130				05/03/11 14:47	05/09/11 14:27	1
2,4,6-Tribromophenol	75		30 - 130				05/03/11 14:47	05/09/11 14:27	1

Method: 8015B - Nonhalogenated Organic Compounds - Direct Injection (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Allyl alcohol	1000	U	1000	220	ug/L		04/29/11 20:47	04/29/11 20:47	1
Ethanol	1000	U	1000	330	ug/L		04/29/11 20:47	04/29/11 20:47	1
Isopropanol	1000	U	1000	300	ug/L		04/29/11 20:47	04/29/11 20:47	1
Methanol	1000	U	1000	830	ug/L		04/29/11 20:47	04/29/11 20:47	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	700		100	50	ug/L		05/03/11 12:19	05/04/11 14:16	1
Antimony	5.0	U	5.0	2.0	ug/L		05/03/11 12:19	05/04/11 14:16	1
Arsenic	2.5	U	2.5	1.3	ug/L		05/03/11 12:19	05/04/11 14:16	1
Barium	77		5.0	1.4	ug/L		05/03/11 12:19	05/04/11 14:16	1
Beryllium	0.18	J	0.50	0.15	ug/L		05/03/11 12:19	05/04/11 14:16	1
Cadmium	2.9		0.50	0.13	ug/L		05/03/11 12:19	05/04/11 14:16	1
Calcium	38000		500	170	ug/L		05/03/11 12:19	05/04/11 14:16	1
Chromium	3.3	J	5.0	2.5	ug/L		05/03/11 12:19	05/04/11 14:16	1
Cobalt	0.29	J	0.50	0.12	ug/L		05/03/11 12:19	05/04/11 14:16	1
Copper	5.3		5.0	1.1	ug/L		05/03/11 12:19	05/04/11 14:16	1
Iron	1100	B	100	44	ug/L		05/03/11 12:19	05/04/11 14:16	1
Lead	0.90	J	1.5	0.50	ug/L		05/03/11 12:19	05/04/11 14:16	1
Magnesium	3300		250	100	ug/L		05/03/11 12:19	05/04/11 17:14	1
Manganese	250		5.0	2.0	ug/L		05/03/11 12:19	05/04/11 14:16	1
Mercury	0.80	U	0.80	0.40	ug/L		05/03/11 12:19	05/04/11 17:14	1
Nickel	3.2	J	5.0	2.0	ug/L		05/03/11 12:19	05/04/11 14:16	1
Potassium	5300		1000	330	ug/L		05/03/11 12:19	05/04/11 14:16	1
Selenium	2.5	U	2.5	1.1	ug/L		05/03/11 12:19	05/04/11 14:16	1
Silver	1.0	U	1.0	0.18	ug/L		05/03/11 12:19	05/04/11 14:16	1
Sodium	14000		500	170	ug/L		05/03/11 12:19	05/04/11 14:16	1
Thallium	1.0	U	1.0	0.25	ug/L		05/03/11 12:19	05/04/11 14:16	1
Vanadium	10	U	10	3.2	ug/L		05/03/11 12:19	05/04/11 14:16	1
Zinc	23	B	20	8.4	ug/L		05/03/11 12:19	05/04/11 17:14	1

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: MW-8D

Lab Sample ID: 680-67790-7

Date Collected: 04/26/11 09:25

Matrix: Water

Date Received: 04/28/11 10:03

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3600		1000	180	ug/L			05/11/11 15:04	1
Nitrogen, Kjeldahl	220		200	150	ug/L		05/11/11 19:55	05/12/11 15:39	1
Nitrate as N	97	H	50	10	ug/L			04/28/11 16:53	1
Nitrite as N	50	U H	50	10	ug/L			04/28/11 16:53	1
Sulfate	4800	J	5000	2500	ug/L			05/11/11 12:05	1
Total Organic Carbon	610	J	1000	500	ug/L			05/13/11 11:06	1

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: MW-8U

Lab Sample ID: 680-67790-8

Date Collected: 04/26/11 11:20

Matrix: Water

Date Received: 04/28/11 10:03

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	500	U	500	100	ug/L			05/03/11 23:46	20
Acetonitrile	800	U	800	200	ug/L			05/03/11 23:46	20
Acrolein	400	U	400	150	ug/L			05/03/11 23:46	20
Acrylonitrile	400	U	400	140	ug/L			05/03/11 23:46	20
Allyl chloride	20	U	20	4.0	ug/L			05/03/11 23:46	20
Benzene	20	U	20	5.0	ug/L			05/03/11 23:46	20
Benzyl chloride	20	U	20	20	ug/L			05/03/11 23:46	20
Bromodichloromethane	20	U	20	5.0	ug/L			05/03/11 23:46	20
Bromoform	20	U	20	10	ug/L			05/03/11 23:46	20
Bromomethane	20	U	20	16	ug/L			05/03/11 23:46	20
2-Butanone	200	U	200	20	ug/L			05/03/11 23:46	20
Carbon disulfide	40	U	40	12	ug/L			05/03/11 23:46	20
Carbon tetrachloride	20	U	20	10	ug/L			05/03/11 23:46	20
Chlorobenzene	20	U	20	5.0	ug/L			05/03/11 23:46	20
Chloroethane	20	U	20	20	ug/L			05/03/11 23:46	20
Chloroform	20	U	20	2.8	ug/L			05/03/11 23:46	20
Chloromethane	20	U	20	6.6	ug/L			05/03/11 23:46	20
Chloroprene	20	U	20	6.0	ug/L			05/03/11 23:46	20
cis-1,2-Dichloroethene	20	U	20	3.0	ug/L			05/03/11 23:46	20
cis-1,3-Dichloropropene	20	U	20	2.2	ug/L			05/03/11 23:46	20
Dibromochloromethane	20	U	20	2.0	ug/L			05/03/11 23:46	20
1,2-Dibromo-3-Chloropropane	20	U	20	8.8	ug/L			05/03/11 23:46	20
1,2-Dibromoethane	20	U	20	5.0	ug/L			05/03/11 23:46	20
Dibromomethane	20	U	20	4.0	ug/L			05/03/11 23:46	20
Dichlorodifluoromethane	20	U	20	5.0	ug/L			05/03/11 23:46	20
1,1-Dichloroethane	20	U	20	5.0	ug/L			05/03/11 23:46	20
1,2-Dichloroethane	20	U	20	2.0	ug/L			05/03/11 23:46	20
1,1-Dichloroethene	20	U	20	2.2	ug/L			05/03/11 23:46	20
1,2-Dichloropropane	20	U	20	2.6	ug/L			05/03/11 23:46	20
Diethyl ether	3800	E	200	20	ug/L			05/03/11 23:46	20
Ethylbenzene	20	U	20	2.2	ug/L			05/03/11 23:46	20
Ethylene oxide	4000	U	4000	4000	ug/L			05/03/11 23:46	20
Ethyl methacrylate	20	U	20	5.0	ug/L			05/03/11 23:46	20
2-Hexanone	200	U	200	20	ug/L			05/03/11 23:46	20
Iodomethane	100	U	100	20	ug/L			05/03/11 23:46	20
Isobutyl alcohol	800	U	800	220	ug/L			05/03/11 23:46	20
Methacrylonitrile	400	U	400	66	ug/L			05/03/11 23:46	20
Methylene Chloride	100	U	100	20	ug/L			05/03/11 23:46	20
Methyl methacrylate	20	U	20	9.6	ug/L			05/03/11 23:46	20
4-Methyl-2-pentanone (MIBK)	200	U	200	20	ug/L			05/03/11 23:46	20
Methyl tert-butyl ether	200	U	200	4.0	ug/L			05/03/11 23:46	20
n-Heptane	20	U	20	8.4	ug/L			05/03/11 23:46	20
Pentachloroethane	100	U	100	24	ug/L			05/03/11 23:46	20
Propionitrile	400	U	400	92	ug/L			05/03/11 23:46	20
Propylene oxide	4000	U	4000	4000	ug/L			05/03/11 23:46	20
Styrene	20	U	20	2.2	ug/L			05/03/11 23:46	20
t-Butanol	1800		100	52	ug/L			05/03/11 23:46	20
1,1,1,2-Tetrachloroethane	20	U	20	6.6	ug/L			05/03/11 23:46	20
1,1,2,2-Tetrachloroethane	20	U	20	3.6	ug/L			05/03/11 23:46	20

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: MW-8U

Lab Sample ID: 680-67790-8

Date Collected: 04/26/11 11:20

Matrix: Water

Date Received: 04/28/11 10:03

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	20	U	20	3.0	ug/L			05/03/11 23:46	20
Toluene	20	U	20	6.6	ug/L			05/03/11 23:46	20
trans-1,4-Dichloro-2-butene	40	U	40	10	ug/L			05/03/11 23:46	20
trans-1,2-Dichloroethene	20	U	20	4.0	ug/L			05/03/11 23:46	20
trans-1,3-Dichloropropene	20	U	20	4.2	ug/L			05/03/11 23:46	20
1,2,3-Trichlorobenzene	20	U	20	7.0	ug/L			05/03/11 23:46	20
1,1,1-Trichloroethane	20	U	20	10	ug/L			05/03/11 23:46	20
1,1,2-Trichloroethane	20	U	20	2.6	ug/L			05/03/11 23:46	20
Trichloroethylene	20	U	20	2.6	ug/L			05/03/11 23:46	20
Trichlorofluoromethane	20	U	20	5.0	ug/L			05/03/11 23:46	20
1,2,3-Trichloropropane	20	U	20	8.2	ug/L			05/03/11 23:46	20
Vinyl acetate	40	U	40	5.6	ug/L			05/03/11 23:46	20
Vinyl chloride	20	U	20	3.6	ug/L			05/03/11 23:46	20
Xylenes, Total	40	U	40	4.0	ug/L			05/03/11 23:46	20
<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/L</i>					<i>05/03/11 23:46</i>	<i>20</i>
<i>Surrogate</i>	<i>% Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
4-Bromofluorobenzene	98		70 - 130					05/03/11 23:46	20
Dibromofluoromethane	99		70 - 130					05/03/11 23:46	20
Toluene-d8 (Surr)	102		70 - 130					05/03/11 23:46	20

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	2500	U	2500	500	ug/L			05/02/11 22:08	100
Acetonitrile	4000	U	4000	1000	ug/L			05/02/11 22:08	100
Acrolein	2000	U	2000	740	ug/L			05/02/11 22:08	100
Acrylonitrile	2000	U	2000	720	ug/L			05/02/11 22:08	100
Allyl chloride	100	U	100	20	ug/L			05/02/11 22:08	100
Benzene	100	U	100	25	ug/L			05/02/11 22:08	100
Benzyl chloride	100	U	100	100	ug/L			05/02/11 22:08	100
Bromodichloromethane	100	U	100	25	ug/L			05/02/11 22:08	100
Bromoform	100	U	100	50	ug/L			05/02/11 22:08	100
Bromomethane	100	U	100	80	ug/L			05/02/11 22:08	100
2-Butanone	1000	U	1000	100	ug/L			05/02/11 22:08	100
Carbon disulfide	200	U	200	60	ug/L			05/02/11 22:08	100
Carbon tetrachloride	100	U	100	50	ug/L			05/02/11 22:08	100
Chlorobenzene	100	U	100	25	ug/L			05/02/11 22:08	100
Chloroethane	100	U	100	100	ug/L			05/02/11 22:08	100
Chloroform	100	U	100	14	ug/L			05/02/11 22:08	100
Chloromethane	100	U	100	33	ug/L			05/02/11 22:08	100
Chloroprene	100	U	100	30	ug/L			05/02/11 22:08	100
cis-1,2-Dichloroethene	100	U	100	15	ug/L			05/02/11 22:08	100
cis-1,3-Dichloropropene	100	U	100	11	ug/L			05/02/11 22:08	100
Dibromochloromethane	100	U	100	10	ug/L			05/02/11 22:08	100
1,2-Dibromo-3-Chloropropane	100	U	100	44	ug/L			05/02/11 22:08	100
1,2-Dibromoethane	100	U	100	25	ug/L			05/02/11 22:08	100
Dibromomethane	100	U	100	20	ug/L			05/02/11 22:08	100
Dichlorodifluoromethane	100	U	100	25	ug/L			05/02/11 22:08	100
1,1-Dichloroethane	100	U	100	25	ug/L			05/02/11 22:08	100

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: MW-8U

Lab Sample ID: 680-67790-8

Date Collected: 04/26/11 11:20

Matrix: Water

Date Received: 04/28/11 10:03

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	100	U	100	10	ug/L			05/02/11 22:08	100
1,1-Dichloroethene	100	U	100	11	ug/L			05/02/11 22:08	100
1,2-Dichloropropane	100	U	100	13	ug/L			05/02/11 22:08	100
Diethyl ether	1800	D		1000	ug/L			05/02/11 22:08	100
Ethylbenzene	100	U	100	11	ug/L			05/02/11 22:08	100
Ethylene oxide	20000	U	20000	20000	ug/L			05/02/11 22:08	100
Ethyl methacrylate	100	U	100	25	ug/L			05/02/11 22:08	100
2-Hexanone	1000	U	1000	100	ug/L			05/02/11 22:08	100
Iodomethane	500	U	500	100	ug/L			05/02/11 22:08	100
Isobutyl alcohol	4000	U	4000	1100	ug/L			05/02/11 22:08	100
Methacrylonitrile	2000	U	2000	330	ug/L			05/02/11 22:08	100
Methylene Chloride	500	U	500	100	ug/L			05/02/11 22:08	100
Methyl methacrylate	100	U	100	48	ug/L			05/02/11 22:08	100
4-Methyl-2-pentanone (MIBK)	1000	U	1000	100	ug/L			05/02/11 22:08	100
Methyl tert-butyl ether	1000	U	1000	20	ug/L			05/02/11 22:08	100
n-Heptane	100	U	100	42	ug/L			05/02/11 22:08	100
Pentachloroethane	500	U	500	120	ug/L			05/02/11 22:08	100
Propionitrile	2000	U	2000	460	ug/L			05/02/11 22:08	100
Propylene oxide	20000	U	20000	20000	ug/L			05/02/11 22:08	100
Styrene	100	U	100	11	ug/L			05/02/11 22:08	100
t-Butanol	500	D		500	260	ug/L		05/02/11 22:08	100
1,1,1,2-Tetrachloroethane	100	U	100	33	ug/L			05/02/11 22:08	100
1,1,2,2-Tetrachloroethane	100	U	100	18	ug/L			05/02/11 22:08	100
Tetrachloroethene	100	U	100	15	ug/L			05/02/11 22:08	100
Toluene	100	U	100	33	ug/L			05/02/11 22:08	100
trans-1,4-Dichloro-2-butene	200	U	200	50	ug/L			05/02/11 22:08	100
trans-1,2-Dichloroethene	100	U	100	20	ug/L			05/02/11 22:08	100
trans-1,3-Dichloropropene	100	U	100	21	ug/L			05/02/11 22:08	100
1,2,3-Trichlorobenzene	100	U	100	35	ug/L			05/02/11 22:08	100
1,1,1-Trichloroethane	100	U	100	50	ug/L			05/02/11 22:08	100
1,1,2-Trichloroethane	100	U	100	13	ug/L			05/02/11 22:08	100
Trichloroethylene	100	U	100	13	ug/L			05/02/11 22:08	100
Trichlorofluoromethane	100	U	100	25	ug/L			05/02/11 22:08	100
1,2,3-Trichloropropane	100	U	100	41	ug/L			05/02/11 22:08	100
Vinyl acetate	200	U	200	28	ug/L			05/02/11 22:08	100
Vinyl chloride	100	U	100	18	ug/L			05/02/11 22:08	100
Xylenes, Total	200	U	200	20	ug/L			05/02/11 22:08	100

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					05/02/11 22:08	100
Surrogate									
Surrogate									
4-Bromofluorobenzene									
95									
Dibromofluoromethane									
100									
Toluene-d8 (Surr)									
102									

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.19	U	0.19	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
Acenaphthylene	0.19	U	0.19	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
Acetophenone	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: MW-8U

Lab Sample ID: 680-67790-8

Date Collected: 04/26/11 11:20

Matrix: Water

Date Received: 04/28/11 10:03

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Acetylaminofluorene	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
alpha,alpha-Dimethyl phenethylamine	9.6	U	9.6	3.2	ug/L		05/03/11 14:47	05/09/11 14:54	1
4-Aminobiphenyl	4.8	U	4.8	0.30	ug/L		05/03/11 14:47	05/09/11 14:54	1
Aniline	1.9	U	1.9	0.93	ug/L		05/03/11 14:47	05/09/11 14:54	1
Anthracene	0.19	U	0.19	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
Aramite, Total	1.4	U	1.4	0.11	ug/L		05/03/11 14:47	05/09/11 14:54	1
Benz[a]anthracene	0.19	U	0.19	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
Benz[a]pyrene	0.19	U	0.19	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
Benz[b]fluoranthene	0.19	U	0.19	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
Benz[g,h,i]perylene	0.19	U	0.19	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
Benz[k]fluoranthene	0.19	U	0.19	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
Benzyl alcohol	0.96	U	0.96	0.13	ug/L		05/03/11 14:47	05/09/11 14:54	1
1,1'-Biphenyl	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
Bis(2-chloroethoxy)methane	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
Bis(2-chloroethyl)ether	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
Bis(2-ethylhexyl) phthalate	1.9	U	1.9	0.61	ug/L		05/03/11 14:47	05/09/11 14:54	1
4-Bromophenyl phenyl ether	0.96	U	0.96	0.11	ug/L		05/03/11 14:47	05/09/11 14:54	1
Butyl benzyl phthalate	0.96	U	0.96	0.11	ug/L		05/03/11 14:47	05/09/11 14:54	1
4-Chloroaniline	1.9	U	1.9	0.34	ug/L		05/03/11 14:47	05/09/11 14:54	1
4-Chloro-3-methylphenol	0.96	U	0.96	0.11	ug/L		05/03/11 14:47	05/09/11 14:54	1
2-Chloronaphthalene	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
2-Chlorophenol	0.96	U	0.96	0.11	ug/L		05/03/11 14:47	05/09/11 14:54	1
4-Chlorophenyl phenyl ether	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
Chrysene	0.19	U	0.19	0.043	ug/L		05/03/11 14:47	05/09/11 14:54	1
Diallate	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
Dibenz(a,h)anthracene	0.19	U	0.19	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
Dibenzofuran	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
1,2-Dichlorobenzene	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
1,3-Dichlorobenzene	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
1,4-Dichlorobenzene	0.12	J B	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
3,3'-Dichlorobenzidine	19	U	19	1.9	ug/L		05/03/11 14:47	05/09/11 14:54	1
2,4-Dichlorophenol	0.96	U *	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
2,6-Dichlorophenol	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
Diethyl phthalate	0.96	U	0.96	0.11	ug/L		05/03/11 14:47	05/09/11 14:54	1
Dimethoate	1.9	U	1.9	0.11	ug/L		05/03/11 14:47	05/09/11 14:54	1
7,12-Dimethylbenz(a)anthracene	0.96	U	0.96	0.19	ug/L		05/03/11 14:47	05/09/11 14:54	1
3,3'-Dimethylbenzidine	19	U *	19	4.8	ug/L		05/03/11 14:47	05/09/11 14:54	1
2,4-Dimethylphenol	1.9	U *	1.9	0.66	ug/L		05/03/11 14:47	05/09/11 14:54	1
Dimethyl phthalate	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
Di-n-butyl phthalate	0.96	U	0.96	0.37	ug/L		05/03/11 14:47	05/09/11 14:54	1
4,6-Dinitro-2-methylphenol	4.8	U	4.8	0.12	ug/L		05/03/11 14:47	05/09/11 14:54	1
2,4-Dinitrophenol	9.6	U	9.6	1.1	ug/L		05/03/11 14:47	05/09/11 14:54	1
2,4-Dinitrotoluene	0.96	U	0.96	0.11	ug/L		05/03/11 14:47	05/09/11 14:54	1
2,6-Dinitrotoluene	0.96	U	0.96	0.12	ug/L		05/03/11 14:47	05/09/11 14:54	1
Di-n-octyl phthalate	0.96	U	0.96	0.16	ug/L		05/03/11 14:47	05/09/11 14:54	1
1,4-Dioxane	8.6		1.9	0.30	ug/L		05/03/11 14:47	05/09/11 14:54	1
Disulfoton	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
Ethyl methanesulfonate	1.9	U	1.9	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
Ethyl Parathion	1.9	U	1.9	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: MW-8U

Lab Sample ID: 680-67790-8

Date Collected: 04/26/11 11:20

Matrix: Water

Date Received: 04/28/11 10:03

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Famphur	0.96	U	0.96	0.15	ug/L		05/03/11 14:47	05/09/11 14:54	1
Fluoranthene	0.19	U	0.19	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
Fluorene	0.19	U	0.19	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
Hexachlorobenzene	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
Hexachlorobutadiene	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
Hexachlorocyclopentadiene	1.9	U	1.9	0.48	ug/L		05/03/11 14:47	05/09/11 14:54	1
Hexachloroethane	0.96	U	0.96	0.48	ug/L		05/03/11 14:47	05/09/11 14:54	1
Hexachlorophene	480	U *	480	24	ug/L		05/03/11 14:47	05/09/11 14:54	1
Hexachloropropene	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
Indeno[1,2,3-cd]pyrene	0.19	U	0.19	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
Isophorone	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
Isosafrole	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
m-Dinitrobenzene	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
Methapyrilene	190	U	190	1.2	ug/L		05/03/11 14:47	05/09/11 14:54	1
3-Methylcholanthrene	0.96	U	0.96	0.48	ug/L		05/03/11 14:47	05/09/11 14:54	1
Methyl methanesulfonate	1.9	U	1.9	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
2-Methylnaphthalene	0.19	U	0.19	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
Methyl parathion	0.96	U	0.96	0.12	ug/L		05/03/11 14:47	05/09/11 14:54	1
2-Methylphenol	1.9	U	1.9	0.71	ug/L		05/03/11 14:47	05/09/11 14:54	1
3 & 4 Methylphenol	1.9	U *	1.9	0.63	ug/L		05/03/11 14:47	05/09/11 14:54	1
1-Naphthalenamine	4.8	U	4.8	1.2	ug/L		05/03/11 14:47	05/09/11 14:54	1
2-Naphthalenamine	4.8	U	4.8	1.2	ug/L		05/03/11 14:47	05/09/11 14:54	1
Naphthalene	0.19	U	0.19	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
1,4-Naphthoquinone	0.96	U	0.96	0.48	ug/L		05/03/11 14:47	05/09/11 14:54	1
2-Nitroaniline	0.96	U	0.96	0.15	ug/L		05/03/11 14:47	05/09/11 14:54	1
3-Nitroaniline	4.8	U	4.8	0.15	ug/L		05/03/11 14:47	05/09/11 14:54	1
4-Nitroaniline	4.8	U	4.8	0.48	ug/L		05/03/11 14:47	05/09/11 14:54	1
Nitrobenzene	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
5-Nitro-o-toluidine	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
2-Nitrophenol	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
4-Nitrophenol	4.8	U	4.8	0.48	ug/L		05/03/11 14:47	05/09/11 14:54	1
4-Nitroquinoline-1-oxide	1.9	U	1.9	1.1	ug/L		05/03/11 14:47	05/09/11 14:54	1
N-Nitrosodiethylamine	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
N-Nitrosodimethylamine	0.96	U	0.96	0.24	ug/L		05/03/11 14:47	05/09/11 14:54	1
N-Nitrosodi-n-butylamine	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
N-Nitrosodi-n-propylamine	0.96	U	0.96	0.12	ug/L		05/03/11 14:47	05/09/11 14:54	1
N-Nitrosodiphenylamine	0.96	U	0.96	0.35	ug/L		05/03/11 14:47	05/09/11 14:54	1
N-Nitrosomethylethylamine	1.9	U	1.9	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
N-Nitrosomorpholine	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
N-Nitrosopiperidine	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
N-Nitrosopyrrolidine	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
o,o",o"-Triethylphosphorothioate	0.96	U	0.96	0.12	ug/L		05/03/11 14:47	05/09/11 14:54	1
o-Toluidine	0.96	U	0.96	0.12	ug/L		05/03/11 14:47	05/09/11 14:54	1
2,2'-oxybis[1-chloropropane]	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
p-Dimethylamino azobenzene	4.8	U	4.8	0.14	ug/L		05/03/11 14:47	05/09/11 14:54	1
Pentachlorobenzene	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
Pentachloronitrobenzene	0.96	U	0.96	0.48	ug/L		05/03/11 14:47	05/09/11 14:54	1
Pentachlorophenol	4.8	U	4.8	0.38	ug/L		05/03/11 14:47	05/09/11 14:54	1
Phenacetin	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: MW-8U

Lab Sample ID: 680-67790-8

Date Collected: 04/26/11 11:20

Matrix: Water

Date Received: 04/28/11 10:03

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	0.19	U	0.19	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
Phenol	0.96	U	0.96	0.12	ug/L		05/03/11 14:47	05/09/11 14:54	1
Phenyl ether	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
Phorone	0.96	U	0.96	0.19	ug/L		05/03/11 14:47	05/09/11 14:54	1
2-Picoline	1.9	U	1.9	0.14	ug/L		05/03/11 14:47	05/09/11 14:54	1
p-Phenylenediamine	190	U	190	15	ug/L		05/03/11 14:47	05/09/11 14:54	1
Pronamide	0.96	U	0.96	0.11	ug/L		05/03/11 14:47	05/09/11 14:54	1
Pyrene	0.19	U	0.19	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
Pyridine	4.8	U	4.8	0.70	ug/L		05/03/11 14:47	05/09/11 14:54	1
Safrole, Total	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
2-sec-Butyl-4,6-dinitrophenol	1.9	U	1.9	0.14	ug/L		05/03/11 14:47	05/09/11 14:54	1
Sulfotepo	0.96	U	0.96	0.13	ug/L		05/03/11 14:47	05/09/11 14:54	1
1,2,4,5-Tetrachlorobenzene	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
2,3,4,6-Tetrachlorophenol	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
Thionazin	0.96	U	0.96	0.19	ug/L		05/03/11 14:47	05/09/11 14:54	1
1,2,4-Trichlorobenzene	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 14:54	1
2,4,5-Trichlorophenol	0.96	U	0.96	0.11	ug/L		05/03/11 14:47	05/09/11 14:54	1
2,4,6-Trichlorophenol	0.96	U	0.96	0.16	ug/L		05/03/11 14:47	05/09/11 14:54	1
1,3,5-Trinitrobenzene	0.96	U	0.96	0.48	ug/L		05/03/11 14:47	05/09/11 14:54	1

Tentatively Identified Compound

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown Aldol Condensate	21	T A J	ug/L		3.98		05/03/11 14:47	05/09/11 14:54	1
Unknown	4.8	T J	ug/L		5.71		05/03/11 14:47	05/09/11 14:54	1
Unknown	320	T J	ug/L		6.13		05/03/11 14:47	05/09/11 14:54	1
Unknown	58	T J	ug/L		7.94		05/03/11 14:47	05/09/11 14:54	1
Unknown	34	T J	ug/L		9.55		05/03/11 14:47	05/09/11 14:54	1
Unknown Organic Acid	7.4	T J	ug/L		10.11		05/03/11 14:47	05/09/11 14:54	1
Unknown	6.3	T J	ug/L		10.18		05/03/11 14:47	05/09/11 14:54	1
Unknown	24	T J	ug/L		10.99		05/03/11 14:47	05/09/11 14:54	1
Unknown	8.2	T J	ug/L		12.27		05/03/11 14:47	05/09/11 14:54	1
Acetic acid, (triphenylphosphoranylidene)	19	T J N	ug/L		14.01	2605-67-6	05/03/11 14:47	05/09/11 14:54	1

Surrogate

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac	
2-Fluorobiphenyl	59		34 - 130		05/03/11 14:47	05/09/11 14:54	1
2-Fluorophenol	50		25 - 130		05/03/11 14:47	05/09/11 14:54	1
Nitrobenzene-d5	58		32 - 130		05/03/11 14:47	05/09/11 14:54	1
Phenol-d5	28		27 - 130		05/03/11 14:47	05/09/11 14:54	1
Terphenyl-d14	70		36 - 130		05/03/11 14:47	05/09/11 14:54	1
2,4,6-Tribromophenol	74		30 - 130		05/03/11 14:47	05/09/11 14:54	1

Method: 8015B - Nonhalogenated Organic Compounds - Direct Injection (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Allyl alcohol	1000	U	1000	220	ug/L		04/29/11 21:11		1
Ethanol	1400		1000	330	ug/L		04/29/11 21:11		1
Isopropanol	1000	U	1000	300	ug/L		04/29/11 21:11		1
Methanol	1000	U	1000	830	ug/L		04/29/11 21:11		1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4700		100	50	ug/L		05/03/11 12:19	05/04/11 14:20	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: MW-8U

Lab Sample ID: 680-67790-8

Date Collected: 04/26/11 11:20

Matrix: Water

Date Received: 04/28/11 10:03

Method: 6020 - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.0	U	5.0	2.0	ug/L		05/03/11 12:19	05/04/11 14:20	1
Arsenic	15		2.5	1.3	ug/L		05/03/11 12:19	05/04/11 14:20	1
Barium	340		5.0	1.4	ug/L		05/03/11 12:19	05/04/11 14:20	1
Beryllium	0.23	J	0.50	0.15	ug/L		05/03/11 12:19	05/04/11 14:20	1
Cadmium	0.28	J	0.50	0.13	ug/L		05/03/11 12:19	05/04/11 14:20	1
Calcium	190000		500	170	ug/L		05/03/11 12:19	05/04/11 14:20	1
Chromium	29		5.0	2.5	ug/L		05/03/11 12:19	05/04/11 14:20	1
Cobalt	20		0.50	0.12	ug/L		05/03/11 12:19	05/04/11 14:20	1
Copper	6.3		5.0	1.1	ug/L		05/03/11 12:19	05/04/11 14:20	1
Iron	36000	B	100	44	ug/L		05/03/11 12:19	05/04/11 14:20	1
Lead	2.2		1.5	0.50	ug/L		05/03/11 12:19	05/04/11 14:20	1
Magnesium	45000		250	100	ug/L		05/03/11 12:19	05/04/11 17:21	1
Manganese	2400		5.0	2.0	ug/L		05/03/11 12:19	05/04/11 14:20	1
Mercury	0.80	U	0.80	0.40	ug/L		05/03/11 12:19	05/04/11 17:21	1
Nickel	19		5.0	2.0	ug/L		05/03/11 12:19	05/04/11 14:20	1
Potassium	24000		1000	330	ug/L		05/03/11 12:19	05/04/11 14:20	1
Selenium	1.5	J	2.5	1.1	ug/L		05/03/11 12:19	05/04/11 14:20	1
Silver	1.0	U	1.0	0.18	ug/L		05/03/11 12:19	05/04/11 14:20	1
Sodium	530000		1000	340	ug/L		05/03/11 12:19	05/05/11 11:48	2
Thallium	1.0	U	1.0	0.25	ug/L		05/03/11 12:19	05/04/11 14:20	1
Vanadium	14		10	3.2	ug/L		05/03/11 12:19	05/04/11 14:20	1
Zinc	27	B	20	8.4	ug/L		05/03/11 12:19	05/04/11 17:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	480000		5000	900	ug/L		05/11/11 15:35		5
Nitrogen, Kjeldahl	11000		1000	750	ug/L		05/12/11 16:27		5
Nitrate as N	18	J H	50	10	ug/L		04/28/11 16:54		1
Nitrite as N	50	U H	50	10	ug/L		04/28/11 16:54		1
Sulfate	340000		50000	25000	ug/L		05/11/11 12:40		10
Total Organic Carbon	11000		1000	500	ug/L		05/13/11 11:23		1

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: MW-6

Lab Sample ID: 680-67790-9

Date Collected: 04/26/11 11:45

Matrix: Water

Date Received: 04/28/11 10:03

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	500	U	500	100	ug/L			05/02/11 22:37	20
Acetonitrile	800	U	800	200	ug/L			05/02/11 22:37	20
Acrolein	400	U	400	150	ug/L			05/02/11 22:37	20
Acrylonitrile	400	U	400	140	ug/L			05/02/11 22:37	20
Allyl chloride	20	U	20	4.0	ug/L			05/02/11 22:37	20
Benzene	20	U	20	5.0	ug/L			05/02/11 22:37	20
Benzyl chloride	20	U	20	20	ug/L			05/02/11 22:37	20
Bromodichloromethane	20	U	20	5.0	ug/L			05/02/11 22:37	20
Bromoform	20	U	20	10	ug/L			05/02/11 22:37	20
Bromomethane	20	U	20	16	ug/L			05/02/11 22:37	20
2-Butanone	200	U	200	20	ug/L			05/02/11 22:37	20
Carbon disulfide	40	U	40	12	ug/L			05/02/11 22:37	20
Carbon tetrachloride	20	U	20	10	ug/L			05/02/11 22:37	20
Chlorobenzene	20	U	20	5.0	ug/L			05/02/11 22:37	20
Chloroethane	20	U	20	20	ug/L			05/02/11 22:37	20
Chloroform	20	U	20	2.8	ug/L			05/02/11 22:37	20
Chloromethane	20	U	20	6.6	ug/L			05/02/11 22:37	20
Chloroprene	20	U	20	6.0	ug/L			05/02/11 22:37	20
cis-1,2-Dichloroethene	20	U	20	3.0	ug/L			05/02/11 22:37	20
cis-1,3-Dichloropropene	20	U	20	2.2	ug/L			05/02/11 22:37	20
Dibromochloromethane	20	U	20	2.0	ug/L			05/02/11 22:37	20
1,2-Dibromo-3-Chloropropane	20	U	20	8.8	ug/L			05/02/11 22:37	20
1,2-Dibromoethane	20	U	20	5.0	ug/L			05/02/11 22:37	20
Dibromomethane	20	U	20	4.0	ug/L			05/02/11 22:37	20
Dichlorodifluoromethane	20	U	20	5.0	ug/L			05/02/11 22:37	20
1,1-Dichloroethane	20	U	20	5.0	ug/L			05/02/11 22:37	20
1,2-Dichloroethane	20	U	20	2.0	ug/L			05/02/11 22:37	20
1,1-Dichloroethene	20	U	20	2.2	ug/L			05/02/11 22:37	20
1,2-Dichloropropane	20	U	20	2.6	ug/L			05/02/11 22:37	20
Diethyl ether	1300		200	20	ug/L			05/02/11 22:37	20
Ethylbenzene	20	U	20	2.2	ug/L			05/02/11 22:37	20
Ethylene oxide	4000	U	4000	4000	ug/L			05/02/11 22:37	20
Ethyl methacrylate	20	U	20	5.0	ug/L			05/02/11 22:37	20
2-Hexanone	200	U	200	20	ug/L			05/02/11 22:37	20
Iodomethane	100	U	100	20	ug/L			05/02/11 22:37	20
Isobutyl alcohol	800	U	800	220	ug/L			05/02/11 22:37	20
Methacrylonitrile	400	U	400	66	ug/L			05/02/11 22:37	20
Methylene Chloride	100	U	100	20	ug/L			05/02/11 22:37	20
Methyl methacrylate	20	U	20	9.6	ug/L			05/02/11 22:37	20
4-Methyl-2-pentanone (MIBK)	200	U	200	20	ug/L			05/02/11 22:37	20
Methyl tert-butyl ether	200	U	200	4.0	ug/L			05/02/11 22:37	20
n-Heptane	20	U	20	8.4	ug/L			05/02/11 22:37	20
Pentachloroethane	100	U	100	24	ug/L			05/02/11 22:37	20
Propionitrile	400	U	400	92	ug/L			05/02/11 22:37	20
Propylene oxide	4000	U	4000	4000	ug/L			05/02/11 22:37	20
Styrene	20	U	20	2.2	ug/L			05/02/11 22:37	20
t-Butanol	1600		100	52	ug/L			05/02/11 22:37	20
1,1,1,2-Tetrachloroethane	20	U	20	6.6	ug/L			05/02/11 22:37	20
1,1,2,2-Tetrachloroethane	20	U	20	3.6	ug/L			05/02/11 22:37	20

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: MW-6

Lab Sample ID: 680-67790-9

Date Collected: 04/26/11 11:45

Matrix: Water

Date Received: 04/28/11 10:03

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	20	U	20	3.0	ug/L			05/02/11 22:37	20
Toluene	20	U	20	6.6	ug/L			05/02/11 22:37	20
trans-1,4-Dichloro-2-butene	40	U	40	10	ug/L			05/02/11 22:37	20
trans-1,2-Dichloroethene	20	U	20	4.0	ug/L			05/02/11 22:37	20
trans-1,3-Dichloropropene	20	U	20	4.2	ug/L			05/02/11 22:37	20
1,2,3-Trichlorobenzene	20	U	20	7.0	ug/L			05/02/11 22:37	20
1,1,1-Trichloroethane	20	U	20	10	ug/L			05/02/11 22:37	20
1,1,2-Trichloroethane	20	U	20	2.6	ug/L			05/02/11 22:37	20
Trichloroethylene	20	U	20	2.6	ug/L			05/02/11 22:37	20
Trichlorofluoromethane	20	U	20	5.0	ug/L			05/02/11 22:37	20
1,2,3-Trichloropropane	20	U	20	8.2	ug/L			05/02/11 22:37	20
Vinyl acetate	40	U	40	5.6	ug/L			05/02/11 22:37	20
Vinyl chloride	20	U	20	3.6	ug/L			05/02/11 22:37	20
Xylenes, Total	40	U	40	4.0	ug/L			05/02/11 22:37	20
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/L</i>					<i>05/02/11 22:37</i>	<i>20</i>
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		70 - 130					05/02/11 22:37	20
Dibromofluoromethane	99		70 - 130					05/02/11 22:37	20
Toluene-d8 (Surr)	104		70 - 130					05/02/11 22:37	20

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.22	U	0.22	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
Acenaphthylene	0.22	U	0.22	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
Acetophenone	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
2-Acetylaminofluorene	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
alpha,alpha-Dimethyl phenethylamine	11	U	11	3.7	ug/L		05/03/11 14:47	05/09/11 15:21	1
4-Aminobiphenyl	5.5	U	5.5	0.34	ug/L		05/03/11 14:47	05/09/11 15:21	1
Aniline	2.2	U	2.2	1.1	ug/L		05/03/11 14:47	05/09/11 15:21	1
Anthracene	0.22	U	0.22	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
Aramite, Total	1.6	U	1.6	0.12	ug/L		05/03/11 14:47	05/09/11 15:21	1
Benzo[a]anthracene	0.22	U	0.22	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
Benzo[a]pyrene	0.22	U	0.22	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
Benzo[b]fluoranthene	0.22	U	0.22	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
Benzo[g,h,i]perylene	0.22	U	0.22	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
Benzo[k]fluoranthene	0.22	U	0.22	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
Benzyl alcohol	1.1	U	1.1	0.15	ug/L		05/03/11 14:47	05/09/11 15:21	1
1,1'-Biphenyl	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
Bis(2-chloroethoxy)methane	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
Bis(2-chloroethyl)ether	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
Bis(2-ethylhexyl) phthalate	2.2	U	2.2	0.70	ug/L		05/03/11 14:47	05/09/11 15:21	1
4-Bromophenyl phenyl ether	1.1	U	1.1	0.13	ug/L		05/03/11 14:47	05/09/11 15:21	1
Butyl benzyl phthalate	1.1	U	1.1	0.13	ug/L		05/03/11 14:47	05/09/11 15:21	1
4-Chloroaniline	2.2	U	2.2	0.40	ug/L		05/03/11 14:47	05/09/11 15:21	1
4-Chloro-3-methylphenol	1.1	U	1.1	0.13	ug/L		05/03/11 14:47	05/09/11 15:21	1
2-Chloronaphthalene	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
2-Chlorophenol	1.1	U	1.1	0.13	ug/L		05/03/11 14:47	05/09/11 15:21	1
4-Chlorophenyl phenyl ether	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: MW-6

Lab Sample ID: 680-67790-9

Date Collected: 04/26/11 11:45

Matrix: Water

Date Received: 04/28/11 10:03

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	0.22	U	0.22	0.049	ug/L		05/03/11 14:47	05/09/11 15:21	1
Diallate	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
Dibenz(a,h)anthracene	0.22	U	0.22	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
Dibenzofuran	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
1,2-Dichlorobenzene	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
1,3-Dichlorobenzene	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
1,4-Dichlorobenzene	0.13	J B	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
3,3'-Dichlorobenzidine	22	U	22	2.2	ug/L		05/03/11 14:47	05/09/11 15:21	1
2,4-Dichlorophenol	1.1	U *	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
2,6-Dichlorophenol	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
Diethyl phthalate	1.1	U	1.1	0.12	ug/L		05/03/11 14:47	05/09/11 15:21	1
Dimethoate	2.2	U	2.2	0.13	ug/L		05/03/11 14:47	05/09/11 15:21	1
7,12-Dimethylbenz(a)anthracene	1.1	U	1.1	0.22	ug/L		05/03/11 14:47	05/09/11 15:21	1
3,3'-Dimethylbenzidine	22	U *	22	5.5	ug/L		05/03/11 14:47	05/09/11 15:21	1
2,4-Dimethylphenol	2.2	U *	2.2	0.76	ug/L		05/03/11 14:47	05/09/11 15:21	1
Dimethyl phthalate	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
Di-n-butyl phthalate	1.1	U	1.1	0.43	ug/L		05/03/11 14:47	05/09/11 15:21	1
4,6-Dinitro-2-methylphenol	5.5	U	5.5	0.14	ug/L		05/03/11 14:47	05/09/11 15:21	1
2,4-Dinitrophenol	11	U	11	1.2	ug/L		05/03/11 14:47	05/09/11 15:21	1
2,4-Dinitrotoluene	1.1	U	1.1	0.13	ug/L		05/03/11 14:47	05/09/11 15:21	1
2,6-Dinitrotoluene	1.1	U	1.1	0.14	ug/L		05/03/11 14:47	05/09/11 15:21	1
Di-n-octyl phthalate	1.1	U	1.1	0.19	ug/L		05/03/11 14:47	05/09/11 15:21	1
1,4-Dioxane	2.7		2.2	0.34	ug/L		05/03/11 14:47	05/09/11 15:21	1
Disulfoton	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
Ethyl methanesulfonate	2.2	U	2.2	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
Ethyl Parathion	2.2	U	2.2	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
Famphur	1.1	U	1.1	0.18	ug/L		05/03/11 14:47	05/09/11 15:21	1
Fluoranthene	0.22	U	0.22	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
Fluorene	0.22	U	0.22	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
Hexachlorobenzene	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
Hexachlorobutadiene	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
Hexachlorocyclopentadiene	2.2	U	2.2	0.55	ug/L		05/03/11 14:47	05/09/11 15:21	1
Hexachloroethane	1.1	U	1.1	0.55	ug/L		05/03/11 14:47	05/09/11 15:21	1
Hexachlorophene	550	U *	550	27	ug/L		05/03/11 14:47	05/09/11 15:21	1
Hexachloropropene	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
Indeno[1,2,3-cd]pyrene	0.22	U	0.22	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
Isophorone	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
Isosafrole	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
m-Dinitrobenzene	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
Methapyrilene	220	U	220	1.4	ug/L		05/03/11 14:47	05/09/11 15:21	1
3-Methylcholanthrene	1.1	U	1.1	0.55	ug/L		05/03/11 14:47	05/09/11 15:21	1
Methyl methanesulfonate	2.2	U	2.2	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
2-Methylnaphthalene	0.22	U	0.22	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
Methyl parathion	1.1	U	1.1	0.14	ug/L		05/03/11 14:47	05/09/11 15:21	1
2-Methylphenol	2.2	U	2.2	0.81	ug/L		05/03/11 14:47	05/09/11 15:21	1
3 & 4 Methylphenol	2.2	U *	2.2	0.73	ug/L		05/03/11 14:47	05/09/11 15:21	1
1-Naphthalenamine	5.5	U	5.5	1.4	ug/L		05/03/11 14:47	05/09/11 15:21	1
2-Naphthalenamine	5.5	U	5.5	1.4	ug/L		05/03/11 14:47	05/09/11 15:21	1
Naphthalene	0.22	U	0.22	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: MW-6

Lab Sample ID: 680-67790-9

Date Collected: 04/26/11 11:45

Matrix: Water

Date Received: 04/28/11 10:03

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Naphthoquinone	1.1	U	1.1	0.55	ug/L		05/03/11 14:47	05/09/11 15:21	1
2-Nitroaniline	1.1	U	1.1	0.18	ug/L		05/03/11 14:47	05/09/11 15:21	1
3-Nitroaniline	5.5	U	5.5	0.18	ug/L		05/03/11 14:47	05/09/11 15:21	1
4-Nitroaniline	5.5	U	5.5	0.55	ug/L		05/03/11 14:47	05/09/11 15:21	1
Nitrobenzene	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
5-Nitro-o-toluidine	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
2-Nitrophenol	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
4-Nitrophenol	5.5	U	5.5	0.55	ug/L		05/03/11 14:47	05/09/11 15:21	1
4-Nitroquinoline-1-oxide	2.2	U	2.2	1.2	ug/L		05/03/11 14:47	05/09/11 15:21	1
N-Nitrosodiethylamine	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
N-Nitrosodimethylamine	1.1	U	1.1	0.27	ug/L		05/03/11 14:47	05/09/11 15:21	1
N-Nitrosodi-n-butylamine	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
N-Nitrosodi-n-propylamine	1.1	U	1.1	0.14	ug/L		05/03/11 14:47	05/09/11 15:21	1
N-Nitrosodiphenylamine	1.1	U	1.1	0.41	ug/L		05/03/11 14:47	05/09/11 15:21	1
N-Nitrosomethylethylamine	2.2	U	2.2	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
N-Nitrosomorpholine	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
N-Nitrosopiperidine	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
N-Nitrosopyrrolidine	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
o,o',o"-Triethylphosphorothioate	1.1	U	1.1	0.14	ug/L		05/03/11 14:47	05/09/11 15:21	1
o-Toluidine	1.1	U	1.1	0.14	ug/L		05/03/11 14:47	05/09/11 15:21	1
2,2'-oxybis[1-chloropropane]	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
p-Dimethylamino azobenzene	5.5	U	5.5	0.16	ug/L		05/03/11 14:47	05/09/11 15:21	1
Pentachlorobenzene	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
Pentachloronitrobenzene	1.1	U	1.1	0.55	ug/L		05/03/11 14:47	05/09/11 15:21	1
Pentachlorophenol	5.5	U	5.5	0.44	ug/L		05/03/11 14:47	05/09/11 15:21	1
Phenacetin	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
Phenanthrone	0.22	U	0.22	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
Phenol	1.1	U	1.1	0.14	ug/L		05/03/11 14:47	05/09/11 15:21	1
Phenyl ether	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
Phorate	1.1	U	1.1	0.22	ug/L		05/03/11 14:47	05/09/11 15:21	1
2-Picoline	2.2	U	2.2	0.16	ug/L		05/03/11 14:47	05/09/11 15:21	1
p-Phenylenediamine	220	U	220	18	ug/L		05/03/11 14:47	05/09/11 15:21	1
Pronamide	1.1	U	1.1	0.13	ug/L		05/03/11 14:47	05/09/11 15:21	1
Pyrene	0.22	U	0.22	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
Pyridine	5.5	U	5.5	0.80	ug/L		05/03/11 14:47	05/09/11 15:21	1
Safrole, Total	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
2-sec-Butyl-4,6-dinitrophenol	2.2	U	2.2	0.16	ug/L		05/03/11 14:47	05/09/11 15:21	1
Sulfotep	1.1	U	1.1	0.15	ug/L		05/03/11 14:47	05/09/11 15:21	1
1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
2,3,4,6-Tetrachlorophenol	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
Thionazin	1.1	U	1.1	0.22	ug/L		05/03/11 14:47	05/09/11 15:21	1
1,2,4-Trichlorobenzene	1.1	U	1.1	0.11	ug/L		05/03/11 14:47	05/09/11 15:21	1
2,4,5-Trichlorophenol	1.1	U	1.1	0.13	ug/L		05/03/11 14:47	05/09/11 15:21	1
2,4,6-Trichlorophenol	1.1	U	1.1	0.19	ug/L		05/03/11 14:47	05/09/11 15:21	1
1,3,5-Trinitrobenzene	1.1	U	1.1	0.55	ug/L		05/03/11 14:47	05/09/11 15:21	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	11	T J	ug/L		5.76		05/03/11 14:47	05/09/11 15:21	1
Unknown	69	T J	ug/L		6.13		05/03/11 14:47	05/09/11 15:21	1
Unknown	40	T J	ug/L		7.95		05/03/11 14:47	05/09/11 15:21	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: MW-6

Lab Sample ID: 680-67790-9

Date Collected: 04/26/11 11:45

Matrix: Water

Date Received: 04/28/11 10:03

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	30	T J	ug/L		9.56		05/03/11 14:47	05/09/11 15:21	1
Unknown Organic Acid	22	T J	ug/L		10.13		05/03/11 14:47	05/09/11 15:21	1
Unknown	19	T J	ug/L		10.20		05/03/11 14:47	05/09/11 15:21	1
Unknown	31	T J	ug/L		10.99		05/03/11 14:47	05/09/11 15:21	1
Unknown	10	T J	ug/L		11.17		05/03/11 14:47	05/09/11 15:21	1
Unknown	17	T J	ug/L		12.27		05/03/11 14:47	05/09/11 15:21	1
(Carbethoxyethylidine)triphenylphospho hora	16	T J N	ug/L		14.02	5717-37-3	05/03/11 14:47	05/09/11 15:21	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	71		34 - 130				05/03/11 14:47	05/09/11 15:21	1
2-Fluorophenol	61		25 - 130				05/03/11 14:47	05/09/11 15:21	1
Nitrobenzene-d5	68		32 - 130				05/03/11 14:47	05/09/11 15:21	1
Phenol-d5	31		27 - 130				05/03/11 14:47	05/09/11 15:21	1
Terphenyl-d14	69		36 - 130				05/03/11 14:47	05/09/11 15:21	1
2,4,6-Tribromophenol	92		30 - 130				05/03/11 14:47	05/09/11 15:21	1

Method: 8015B - Nonhalogenated Organic Compounds - Direct Injection (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Allyl alcohol	1000	U	1000	220	ug/L			04/29/11 21:34	1
Ethanol	1300		1000	330	ug/L			04/29/11 21:34	1
Isopropanol	1000	U	1000	300	ug/L			04/29/11 21:34	1
Methanol	1000	U	1000	830	ug/L			04/29/11 21:34	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	820		100	50	ug/L		05/03/11 12:19	05/04/11 14:24	1
Antimony	5.0	U	5.0	2.0	ug/L		05/03/11 12:19	05/04/11 14:24	1
Arsenic	2.1	J	2.5	1.3	ug/L		05/03/11 12:19	05/04/11 14:24	1
Barium	480		5.0	1.4	ug/L		05/03/11 12:19	05/04/11 14:24	1
Beryllium	0.34	J	0.50	0.15	ug/L		05/03/11 12:19	05/04/11 14:24	1
Cadmium	0.44	J	0.50	0.13	ug/L		05/03/11 12:19	05/04/11 14:24	1
Calcium	230000		500	170	ug/L		05/03/11 12:19	05/04/11 14:24	1
Chromium	4.8	J	5.0	2.5	ug/L		05/03/11 12:19	05/04/11 14:24	1
Cobalt	32		0.50	0.12	ug/L		05/03/11 12:19	05/04/11 14:24	1
Copper	5.7		5.0	1.1	ug/L		05/03/11 12:19	05/04/11 14:24	1
Iron	56000	B	100	44	ug/L		05/03/11 12:19	05/04/11 14:24	1
Lead	1.7		1.5	0.50	ug/L		05/03/11 12:19	05/04/11 14:24	1
Magnesium	42000		250	100	ug/L		05/03/11 12:19	05/04/11 17:28	1
Manganese	5900		5.0	2.0	ug/L		05/03/11 12:19	05/04/11 14:24	1
Mercury	0.80	U	0.80	0.40	ug/L		05/03/11 12:19	05/04/11 17:28	1
Nickel	8.3		5.0	2.0	ug/L		05/03/11 12:19	05/04/11 14:24	1
Potassium	4600		1000	330	ug/L		05/03/11 12:19	05/04/11 14:24	1
Selenium	1.3	J	2.5	1.1	ug/L		05/03/11 12:19	05/04/11 14:24	1
Silver	1.0	U	1.0	0.18	ug/L		05/03/11 12:19	05/04/11 14:24	1
Sodium	540000		1000	340	ug/L		05/03/11 12:19	05/05/11 11:52	2
Thallium	1.0	U	1.0	0.25	ug/L		05/03/11 12:19	05/04/11 14:24	1
Vanadium	5.4	J	10	3.2	ug/L		05/03/11 12:19	05/04/11 14:24	1
Zinc	22	B	20	8.4	ug/L		05/03/11 12:19	05/04/11 17:28	1

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: MW-6

Lab Sample ID: 680-67790-9

Date Collected: 04/26/11 11:45

Matrix: Water

Date Received: 04/28/11 10:03

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	610000		10000	1800	ug/L			05/11/11 16:01	10
Nitrogen, Kjeldahl	4800		200	150	ug/L		05/11/11 19:55	05/12/11 15:39	1
Nitrate as N	30 J H		50	10	ug/L			04/28/11 16:56	1
Nitrite as N	50 U H		50	10	ug/L			04/28/11 16:56	1
Sulfate	140000		25000	12000	ug/L			05/11/11 12:38	5
Total Organic Carbon	22000		1000	500	ug/L			05/13/11 11:41	1

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: MW-3

Lab Sample ID: 680-67790-10

Date Collected: 04/26/11 15:55

Matrix: Water

Date Received: 04/28/11 10:03

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25	5.0	ug/L			05/03/11 14:32	1
Acetonitrile	40	U	40	10	ug/L			05/03/11 14:32	1
Acrolein	20	U	20	7.4	ug/L			05/03/11 14:32	1
Acrylonitrile	20	U	20	7.2	ug/L			05/03/11 14:32	1
Allyl chloride	1.0	U	1.0	0.20	ug/L			05/03/11 14:32	1
Benzene	1.0	U	1.0	0.25	ug/L			05/03/11 14:32	1
Benzyl chloride	1.0	U	1.0	1.0	ug/L			05/03/11 14:32	1
Bromodichloromethane	1.0	U	1.0	0.25	ug/L			05/03/11 14:32	1
Bromoform	1.0	U	1.0	0.50	ug/L			05/03/11 14:32	1
Bromomethane	1.0	U	1.0	0.80	ug/L			05/03/11 14:32	1
2-Butanone	10	U	10	1.0	ug/L			05/03/11 14:32	1
Carbon disulfide	2.0	U	2.0	0.60	ug/L			05/03/11 14:32	1
Carbon tetrachloride	1.0	U	1.0	0.50	ug/L			05/03/11 14:32	1
Chlorobenzene	1.0	U	1.0	0.25	ug/L			05/03/11 14:32	1
Chloroethane	1.0	U	1.0	1.0	ug/L			05/03/11 14:32	1
Chloroform	1.0	U	1.0	0.14	ug/L			05/03/11 14:32	1
Chloromethane	1.0	U	1.0	0.33	ug/L			05/03/11 14:32	1
Chloroprene	1.0	U	1.0	0.30	ug/L			05/03/11 14:32	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.15	ug/L			05/03/11 14:32	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.11	ug/L			05/03/11 14:32	1
Dibromochloromethane	1.0	U	1.0	0.10	ug/L			05/03/11 14:32	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.44	ug/L			05/03/11 14:32	1
1,2-Dibromoethane	1.0	U	1.0	0.25	ug/L			05/03/11 14:32	1
Dibromomethane	1.0	U	1.0	0.20	ug/L			05/03/11 14:32	1
Dichlorodifluoromethane	1.0	U	1.0	0.25	ug/L			05/03/11 14:32	1
1,1-Dichloroethane	1.0	U	1.0	0.25	ug/L			05/03/11 14:32	1
1,2-Dichloroethane	1.0	U	1.0	0.10	ug/L			05/03/11 14:32	1
1,1-Dichloroethene	1.0	U	1.0	0.11	ug/L			05/03/11 14:32	1
1,2-Dichloropropane	1.0	U	1.0	0.13	ug/L			05/03/11 14:32	1
Diethyl ether	10	U	10	1.0	ug/L			05/03/11 14:32	1
Ethylbenzene	1.0	U	1.0	0.11	ug/L			05/03/11 14:32	1
Ethylene oxide	200	U	200	200	ug/L			05/03/11 14:32	1
Ethyl methacrylate	1.0	U	1.0	0.25	ug/L			05/03/11 14:32	1
2-Hexanone	10	U	10	1.0	ug/L			05/03/11 14:32	1
Iodomethane	5.0	U	5.0	1.0	ug/L			05/03/11 14:32	1
Isobutyl alcohol	40	U	40	11	ug/L			05/03/11 14:32	1
Methacrylonitrile	20	U	20	3.3	ug/L			05/03/11 14:32	1
Methylene Chloride	5.0	U	5.0	1.0	ug/L			05/03/11 14:32	1
Methyl methacrylate	1.0	U	1.0	0.48	ug/L			05/03/11 14:32	1
4-Methyl-2-pentanone (MIBK)	10	U	10	1.0	ug/L			05/03/11 14:32	1
Methyl tert-butyl ether	10	U	10	0.20	ug/L			05/03/11 14:32	1
n-Heptane	1.0	U	1.0	0.42	ug/L			05/03/11 14:32	1
Pentachloroethane	5.0	U	5.0	1.2	ug/L			05/03/11 14:32	1
Propionitrile	20	U	20	4.6	ug/L			05/03/11 14:32	1
Propylene oxide	200	U	200	200	ug/L			05/03/11 14:32	1
Styrene	1.0	U	1.0	0.11	ug/L			05/03/11 14:32	1
t-Butanol	5.0	U	5.0	2.6	ug/L			05/03/11 14:32	1
1,1,2-Tetrachloroethane	1.0	U	1.0	0.33	ug/L			05/03/11 14:32	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			05/03/11 14:32	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: MW-3

Lab Sample ID: 680-67790-10

Date Collected: 04/26/11 15:55

Matrix: Water

Date Received: 04/28/11 10:03

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/03/11 14:32	1
Toluene	1.0	U	1.0	0.33	ug/L			05/03/11 14:32	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0	0.50	ug/L			05/03/11 14:32	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	ug/L			05/03/11 14:32	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.21	ug/L			05/03/11 14:32	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.35	ug/L			05/03/11 14:32	1
1,1,1-Trichloroethane	1.0	U	1.0	0.50	ug/L			05/03/11 14:32	1
1,1,2-Trichloroethane	1.0	U	1.0	0.13	ug/L			05/03/11 14:32	1
Trichloroethylene	1.0	U	1.0	0.13	ug/L			05/03/11 14:32	1
Trichlorofluoromethane	1.0	U	1.0	0.25	ug/L			05/03/11 14:32	1
1,2,3-Trichloropropane	1.0	U	1.0	0.41	ug/L			05/03/11 14:32	1
Vinyl acetate	2.0	U	2.0	0.28	ug/L			05/03/11 14:32	1
Vinyl chloride	1.0	U	1.0	0.18	ug/L			05/03/11 14:32	1
Xylenes, Total	2.0	U	2.0	0.20	ug/L			05/03/11 14:32	1
<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	None		ug/L					05/03/11 14:32	1
<i>Surrogate</i>	<i>% Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
4-Bromofluorobenzene	95		70 - 130					05/03/11 14:32	1
Dibromofluoromethane	104		70 - 130					05/03/11 14:32	1
Toluene-d8 (Surr)	106		70 - 130					05/03/11 14:32	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.19	U	0.19	0.096	ug/L			05/03/11 14:47	1
Acenaphthylene	0.19	U	0.19	0.096	ug/L			05/03/11 14:47	1
Acetophenone	0.96	U	0.96	0.096	ug/L			05/03/11 14:47	1
2-Acetylaminofluorene	0.96	U	0.96	0.096	ug/L			05/03/11 14:47	1
alpha,alpha-Dimethyl phenethylamine	9.6	U	9.6	3.3	ug/L			05/03/11 14:47	1
4-Aminobiphenyl	4.8	U	4.8	0.30	ug/L			05/03/11 14:47	1
Aniline	1.9	U	1.9	0.93	ug/L			05/03/11 14:47	1
Anthracene	0.19	U	0.19	0.096	ug/L			05/03/11 14:47	1
Aramite, Total	1.4	U	1.4	0.11	ug/L			05/03/11 14:47	1
Benzo[a]anthracene	0.19	U	0.19	0.096	ug/L			05/03/11 14:47	1
Benzo[a]pyrene	0.19	U	0.19	0.096	ug/L			05/03/11 14:47	1
Benzo[b]fluoranthene	0.19	U	0.19	0.096	ug/L			05/03/11 14:47	1
Benzo[g,h,i]perylene	0.19	U	0.19	0.096	ug/L			05/03/11 14:47	1
Benzo[k]fluoranthene	0.19	U	0.19	0.096	ug/L			05/03/11 14:47	1
Benzyl alcohol	0.96	U	0.96	0.13	ug/L			05/03/11 14:47	1
1,1'-Biphenyl	0.96	U	0.96	0.096	ug/L			05/03/11 14:47	1
Bis(2-chloroethoxy)methane	0.96	U	0.96	0.096	ug/L			05/03/11 14:47	1
Bis(2-chloroethyl)ether	0.96	U	0.96	0.096	ug/L			05/03/11 14:47	1
Bis(2-ethylhexyl) phthalate	1.9	U	1.9	0.61	ug/L			05/03/11 14:47	1
4-Bromophenyl phenyl ether	0.96	U	0.96	0.12	ug/L			05/03/11 14:47	1
Butyl benzyl phthalate	0.96	U	0.96	0.12	ug/L			05/03/11 14:47	1
4-Chloroaniline	1.9	U	1.9	0.35	ug/L			05/03/11 14:47	1
4-Chloro-3-methylphenol	0.96	U	0.96	0.12	ug/L			05/03/11 14:47	1
2-Chloronaphthalene	0.96	U	0.96	0.096	ug/L			05/03/11 14:47	1
2-Chlorophenol	0.96	U	0.96	0.12	ug/L			05/03/11 14:47	1
4-Chlorophenyl phenyl ether	0.96	U	0.96	0.096	ug/L			05/03/11 14:47	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: MW-3

Lab Sample ID: 680-67790-10

Date Collected: 04/26/11 15:55

Matrix: Water

Date Received: 04/28/11 10:03

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	0.19	U	0.19	0.043	ug/L		05/03/11 14:47	05/09/11 15:48	1
Diallate	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
Dibenz(a,h)anthracene	0.19	U	0.19	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
Dibenzo furan	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
1,2-Dichlorobenzene	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
1,3-Dichlorobenzene	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
1,4-Dichlorobenzene	0.15	J B	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
3,3'-Dichlorobenzidine	19	U	19	1.9	ug/L		05/03/11 14:47	05/09/11 15:48	1
2,4-Dichlorophenol	0.96	U *	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
2,6-Dichlorophenol	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
Diethyl phthalate	0.96	U	0.96	0.11	ug/L		05/03/11 14:47	05/09/11 15:48	1
Dimethoate	1.9	U	1.9	0.12	ug/L		05/03/11 14:47	05/09/11 15:48	1
7,12-Dimethylbenz(a)anthracene	0.96	U	0.96	0.19	ug/L		05/03/11 14:47	05/09/11 15:48	1
3,3'-Dimethylbenzidine	19	U *	19	4.8	ug/L		05/03/11 14:47	05/09/11 15:48	1
2,4-Dimethylphenol	1.9	U *	1.9	0.66	ug/L		05/03/11 14:47	05/09/11 15:48	1
Dimethyl phthalate	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
Di-n-butyl phthalate	0.96	U	0.96	0.37	ug/L		05/03/11 14:47	05/09/11 15:48	1
4,6-Dinitro-2-methylphenol	4.8	U	4.8	0.12	ug/L		05/03/11 14:47	05/09/11 15:48	1
2,4-Dinitrophenol	9.6	U	9.6	1.1	ug/L		05/03/11 14:47	05/09/11 15:48	1
2,4-Dinitrotoluene	0.96	U	0.96	0.12	ug/L		05/03/11 14:47	05/09/11 15:48	1
2,6-Dinitrotoluene	0.96	U	0.96	0.12	ug/L		05/03/11 14:47	05/09/11 15:48	1
Di-n-octyl phthalate	0.96	U	0.96	0.16	ug/L		05/03/11 14:47	05/09/11 15:48	1
1,4-Dioxane	2.1		1.9	0.30	ug/L		05/03/11 14:47	05/09/11 15:48	1
Disulfoton	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
Ethyl methanesulfonate	1.9	U	1.9	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
Ethyl Parathion	1.9	U	1.9	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
Famphur	0.96	U	0.96	0.15	ug/L		05/03/11 14:47	05/09/11 15:48	1
Fluoranthene	0.19	U	0.19	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
Fluorene	0.19	U	0.19	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
Hexachlorobenzene	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
Hexachlorobutadiene	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
Hexachlorocyclopentadiene	1.9	U	1.9	0.48	ug/L		05/03/11 14:47	05/09/11 15:48	1
Hexachloroethane	0.96	U	0.96	0.48	ug/L		05/03/11 14:47	05/09/11 15:48	1
Hexachlorophene	480	U *	480	24	ug/L		05/03/11 14:47	05/09/11 15:48	1
Hexachloropropene	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
Indeno[1,2,3-cd]pyrene	0.19	U	0.19	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
Isophorone	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
Isosafrole	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
m-Dinitrobenzene	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
Methapyrilene	190	U	190	1.2	ug/L		05/03/11 14:47	05/09/11 15:48	1
3-Methylcholanthrene	0.96	U	0.96	0.48	ug/L		05/03/11 14:47	05/09/11 15:48	1
Methyl methanesulfonate	1.9	U	1.9	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
2-Methylnaphthalene	0.19	U	0.19	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
Methyl parathion	0.96	U	0.96	0.12	ug/L		05/03/11 14:47	05/09/11 15:48	1
2-Methylphenol	1.9	U	1.9	0.71	ug/L		05/03/11 14:47	05/09/11 15:48	1
3 & 4 Methylphenol	1.9	U *	1.9	0.63	ug/L		05/03/11 14:47	05/09/11 15:48	1
1-Naphthalenamine	4.8	U	4.8	1.2	ug/L		05/03/11 14:47	05/09/11 15:48	1
2-Naphthalenamine	4.8	U	4.8	1.2	ug/L		05/03/11 14:47	05/09/11 15:48	1
Naphthalene	0.19	U	0.19	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: MW-3

Lab Sample ID: 680-67790-10

Date Collected: 04/26/11 15:55

Matrix: Water

Date Received: 04/28/11 10:03

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Naphthoquinone	0.96	U	0.96	0.48	ug/L		05/03/11 14:47	05/09/11 15:48	1
2-Nitroaniline	0.96	U	0.96	0.15	ug/L		05/03/11 14:47	05/09/11 15:48	1
3-Nitroaniline	4.8	U	4.8	0.15	ug/L		05/03/11 14:47	05/09/11 15:48	1
4-Nitroaniline	4.8	U	4.8	0.48	ug/L		05/03/11 14:47	05/09/11 15:48	1
Nitrobenzene	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
5-Nitro-o-toluidine	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
2-Nitrophenol	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
4-Nitrophenol	4.8	U	4.8	0.48	ug/L		05/03/11 14:47	05/09/11 15:48	1
4-Nitroquinoline-1-oxide	1.9	U	1.9	1.1	ug/L		05/03/11 14:47	05/09/11 15:48	1
N-Nitrosodiethylamine	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
N-Nitrosodimethylamine	0.96	U	0.96	0.24	ug/L		05/03/11 14:47	05/09/11 15:48	1
N-Nitrosodi-n-butylamine	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
N-Nitrosodi-n-propylamine	0.96	U	0.96	0.12	ug/L		05/03/11 14:47	05/09/11 15:48	1
N-Nitrosodiphenylamine	0.96	U	0.96	0.35	ug/L		05/03/11 14:47	05/09/11 15:48	1
N-Nitrosomethylethylamine	1.9	U	1.9	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
N-Nitrosomorpholine	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
N-Nitrosopiperidine	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
N-Nitrosopyrrolidine	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
o,o',o"-Triethylphosphorothioate	0.96	U	0.96	0.12	ug/L		05/03/11 14:47	05/09/11 15:48	1
o-Toluidine	0.96	U	0.96	0.12	ug/L		05/03/11 14:47	05/09/11 15:48	1
2,2'-oxybis[1-chloropropane]	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
p-Dimethylamino azobenzene	4.8	U	4.8	0.14	ug/L		05/03/11 14:47	05/09/11 15:48	1
Pentachlorobenzene	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
Pentachloronitrobenzene	0.96	U	0.96	0.48	ug/L		05/03/11 14:47	05/09/11 15:48	1
Pentachlorophenol	4.8	U	4.8	0.38	ug/L		05/03/11 14:47	05/09/11 15:48	1
Phenacetin	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
Phenanthrone	0.19	U	0.19	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
Phenol	0.96	U	0.96	0.12	ug/L		05/03/11 14:47	05/09/11 15:48	1
Phenyl ether	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
Phorate	0.96	U	0.96	0.19	ug/L		05/03/11 14:47	05/09/11 15:48	1
2-Picoline	1.9	U	1.9	0.14	ug/L		05/03/11 14:47	05/09/11 15:48	1
p-Phenylenediamine	190	U	190	15	ug/L		05/03/11 14:47	05/09/11 15:48	1
Pronamide	0.96	U	0.96	0.12	ug/L		05/03/11 14:47	05/09/11 15:48	1
Pyrene	0.19	U	0.19	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
Pyridine	4.8	U	4.8	0.70	ug/L		05/03/11 14:47	05/09/11 15:48	1
Safrole, Total	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
2-sec-Butyl-4,6-dinitrophenol	1.9	U	1.9	0.14	ug/L		05/03/11 14:47	05/09/11 15:48	1
Sulfotep	0.96	U	0.96	0.13	ug/L		05/03/11 14:47	05/09/11 15:48	1
1,2,4,5-Tetrachlorobenzene	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
2,3,4,6-Tetrachlorophenol	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
Thionazin	0.96	U	0.96	0.19	ug/L		05/03/11 14:47	05/09/11 15:48	1
1,2,4-Trichlorobenzene	0.96	U	0.96	0.096	ug/L		05/03/11 14:47	05/09/11 15:48	1
2,4,5-Trichlorophenol	0.96	U	0.96	0.12	ug/L		05/03/11 14:47	05/09/11 15:48	1
2,4,6-Trichlorophenol	0.96	U	0.96	0.16	ug/L		05/03/11 14:47	05/09/11 15:48	1
1,3,5-Trinitrobenzene	0.96	U	0.96	0.48	ug/L		05/03/11 14:47	05/09/11 15:48	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown Aldol Condensate	11	T A J	ug/L		3.98		05/03/11 14:47	05/09/11 15:48	1
Unknown	79	T J	ug/L		6.11		05/03/11 14:47	05/09/11 15:48	1
Unknown	5.3	T J	ug/L		7.49		05/03/11 14:47	05/09/11 15:48	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: MW-3

Date Collected: 04/26/11 15:55

Date Received: 04/28/11 10:03

Lab Sample ID: 680-67790-10

Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	8.7	T J	ug/L		7.81		05/03/11 14:47	05/09/11 15:48	1
Unknown	45	T J	ug/L		7.93		05/03/11 14:47	05/09/11 15:48	1
Unknown	41	T J	ug/L		9.54		05/03/11 14:47	05/09/11 15:48	1
Unknown	7.7	T J	ug/L		9.65		05/03/11 14:47	05/09/11 15:48	1
Unknown	18	T J	ug/L		10.98		05/03/11 14:47	05/09/11 15:48	1
Oleic Acid	5.6	T J N	ug/L		12.15	112-80-1	05/03/11 14:47	05/09/11 15:48	1
Unknown	20	T J	ug/L		14.00		05/03/11 14:47	05/09/11 15:48	1
Surrogate		% Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl		59		34 - 130			05/03/11 14:47	05/09/11 15:48	1
2-Fluorophenol		57		25 - 130			05/03/11 14:47	05/09/11 15:48	1
Nitrobenzene-d5		62		32 - 130			05/03/11 14:47	05/09/11 15:48	1
Phenol-d5		58		27 - 130			05/03/11 14:47	05/09/11 15:48	1
Terphenyl-d14		65		36 - 130			05/03/11 14:47	05/09/11 15:48	1
2,4,6-Tribromophenol		80		30 - 130			05/03/11 14:47	05/09/11 15:48	1

Method: 8015B - Nonhalogenated Organic Compounds - Direct Injection (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Allyl alcohol	1000	U	1000	220	ug/L			04/29/11 21:58	1
Ethanol	1000	U	1000	330	ug/L			04/29/11 21:58	1
Isopropanol	1000	U	1000	300	ug/L			04/29/11 21:58	1
Methanol	1000	U	1000	830	ug/L			04/29/11 21:58	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	250		100	50	ug/L		05/03/11 12:19	05/04/11 14:27	1
Antimony	5.0	U	5.0	2.0	ug/L		05/03/11 12:19	05/04/11 14:27	1
Arsenic	2.4	J	2.5	1.3	ug/L		05/03/11 12:19	05/04/11 14:27	1
Barium	460		5.0	1.4	ug/L		05/03/11 12:19	05/04/11 14:27	1
Beryllium	0.50	U	0.50	0.15	ug/L		05/03/11 12:19	05/04/11 14:27	1
Cadmium	0.23	J	0.50	0.13	ug/L		05/03/11 12:19	05/04/11 14:27	1
Calcium	72000		500	170	ug/L		05/03/11 12:19	05/04/11 14:27	1
Chromium	3.4	J	5.0	2.5	ug/L		05/03/11 12:19	05/04/11 14:27	1
Cobalt	1.0		0.50	0.12	ug/L		05/03/11 12:19	05/04/11 14:27	1
Copper	1.5	J	5.0	1.1	ug/L		05/03/11 12:19	05/04/11 14:27	1
Iron	19000	B	100	44	ug/L		05/03/11 12:19	05/04/11 14:27	1
Lead	0.54	J	1.5	0.50	ug/L		05/03/11 12:19	05/04/11 14:27	1
Magnesium	9900		250	100	ug/L		05/03/11 12:19	05/04/11 17:35	1
Manganese	830		5.0	2.0	ug/L		05/03/11 12:19	05/04/11 14:27	1
Mercury	0.80	U	0.80	0.40	ug/L		05/03/11 12:19	05/04/11 17:35	1
Nickel	3.7	J	5.0	2.0	ug/L		05/03/11 12:19	05/04/11 14:27	1
Potassium	9400		1000	330	ug/L		05/03/11 12:19	05/04/11 14:27	1
Selenium	2.5	U	2.5	1.1	ug/L		05/03/11 12:19	05/04/11 14:27	1
Silver	1.0	U	1.0	0.18	ug/L		05/03/11 12:19	05/04/11 14:27	1
Sodium	200000		500	170	ug/L		05/03/11 12:19	05/04/11 14:27	1
Thallium	1.0	U	1.0	0.25	ug/L		05/03/11 12:19	05/04/11 14:27	1
Vanadium	10	U	10	3.2	ug/L		05/03/11 12:19	05/04/11 14:27	1
Zinc	23	B	20	8.4	ug/L		05/03/11 12:19	05/04/11 17:35	1

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: MW-3

Lab Sample ID: 680-67790-10

Date Collected: 04/26/11 15:55

Matrix: Water

Date Received: 04/28/11 10:03

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110000		3000	540	ug/L			05/11/11 15:43	3
Nitrogen, Kjeldahl	4900		400	300	ug/L		05/11/11 19:55	05/12/11 16:27	2
Nitrate as N	310	H	50	10	ug/L			04/28/11 16:59	1
Nitrite as N	50	U H	50	10	ug/L			04/28/11 16:59	1
Sulfate	37000		10000	5000	ug/L			05/11/11 12:38	2
Total Organic Carbon	9000		1000	500	ug/L			05/13/11 12:06	1

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: SDB-MW-1

Lab Sample ID: 680-67790-11

Matrix: Water

Date Collected: 04/26/11 14:25

Date Received: 04/28/11 10:03

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	6.9	J	25	5.0	ug/L			05/02/11 23:34	1
Acetonitrile	40	U	40	10	ug/L			05/02/11 23:34	1
Acrolein	20	U	20	7.4	ug/L			05/02/11 23:34	1
Acrylonitrile	20	U	20	7.2	ug/L			05/02/11 23:34	1
Allyl chloride	1.0	U	1.0	0.20	ug/L			05/02/11 23:34	1
Benzene	1.0	U	1.0	0.25	ug/L			05/02/11 23:34	1
Benzyl chloride	1.0	U	1.0	1.0	ug/L			05/02/11 23:34	1
Bromodichloromethane	1.0	U	1.0	0.25	ug/L			05/02/11 23:34	1
Bromoform	1.0	U	1.0	0.50	ug/L			05/02/11 23:34	1
Bromomethane	1.0	U	1.0	0.80	ug/L			05/02/11 23:34	1
2-Butanone	10	U	10	1.0	ug/L			05/02/11 23:34	1
Carbon disulfide	2.0	U	2.0	0.60	ug/L			05/02/11 23:34	1
Carbon tetrachloride	1.0	U	1.0	0.50	ug/L			05/02/11 23:34	1
Chlorobenzene	1.0	U	1.0	0.25	ug/L			05/02/11 23:34	1
Chloroethane	1.0	U	1.0	1.0	ug/L			05/02/11 23:34	1
Chloroform	1.0	U	1.0	0.14	ug/L			05/02/11 23:34	1
Chloromethane	1.0	U	1.0	0.33	ug/L			05/02/11 23:34	1
Chloroprene	1.0	U	1.0	0.30	ug/L			05/02/11 23:34	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.15	ug/L			05/02/11 23:34	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.11	ug/L			05/02/11 23:34	1
Dibromochloromethane	1.0	U	1.0	0.10	ug/L			05/02/11 23:34	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.44	ug/L			05/02/11 23:34	1
1,2-Dibromoethane	1.0	U	1.0	0.25	ug/L			05/02/11 23:34	1
Dibromomethane	1.0	U	1.0	0.20	ug/L			05/02/11 23:34	1
Dichlorodifluoromethane	1.0	U	1.0	0.25	ug/L			05/02/11 23:34	1
1,1-Dichloroethane	1.0	U	1.0	0.25	ug/L			05/02/11 23:34	1
1,2-Dichloroethane	1.0	U	1.0	0.10	ug/L			05/02/11 23:34	1
1,1-Dichloroethene	1.0	U	1.0	0.11	ug/L			05/02/11 23:34	1
1,2-Dichloropropane	1.0	U	1.0	0.13	ug/L			05/02/11 23:34	1
Diethyl ether	10	U	10	1.0	ug/L			05/02/11 23:34	1
Ethylbenzene	1.0	U	1.0	0.11	ug/L			05/02/11 23:34	1
Ethylene oxide	200	U	200	200	ug/L			05/02/11 23:34	1
Ethyl methacrylate	1.0	U	1.0	0.25	ug/L			05/02/11 23:34	1
2-Hexanone	10	U	10	1.0	ug/L			05/02/11 23:34	1
Iodomethane	5.0	U	5.0	1.0	ug/L			05/02/11 23:34	1
Isobutyl alcohol	40	U	40	11	ug/L			05/02/11 23:34	1
Methacrylonitrile	20	U	20	3.3	ug/L			05/02/11 23:34	1
Methylene Chloride	5.0	U	5.0	1.0	ug/L			05/02/11 23:34	1
Methyl methacrylate	1.0	U	1.0	0.48	ug/L			05/02/11 23:34	1
4-Methyl-2-pentanone (MIBK)	10	U	10	1.0	ug/L			05/02/11 23:34	1
Methyl tert-butyl ether	10	U	10	0.20	ug/L			05/02/11 23:34	1
n-Heptane	1.0	U	1.0	0.42	ug/L			05/02/11 23:34	1
Pentachloroethane	5.0	U	5.0	1.2	ug/L			05/02/11 23:34	1
Propionitrile	20	U	20	4.6	ug/L			05/02/11 23:34	1
Propylene oxide	200	U	200	200	ug/L			05/02/11 23:34	1
Styrene	1.0	U	1.0	0.11	ug/L			05/02/11 23:34	1
t-Butanol	3.1	J		5.0	2.6 ug/L			05/02/11 23:34	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.33	ug/L			05/02/11 23:34	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			05/02/11 23:34	1

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: SDB-MW-1

Lab Sample ID: 680-67790-11

Matrix: Water

Date Collected: 04/26/11 14:25

Date Received: 04/28/11 10:03

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/02/11 23:34	1
Toluene	1.0	U	1.0	0.33	ug/L			05/02/11 23:34	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0	0.50	ug/L			05/02/11 23:34	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	ug/L			05/02/11 23:34	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.21	ug/L			05/02/11 23:34	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.35	ug/L			05/02/11 23:34	1
1,1,1-Trichloroethane	1.0	U	1.0	0.50	ug/L			05/02/11 23:34	1
1,1,2-Trichloroethane	1.0	U	1.0	0.13	ug/L			05/02/11 23:34	1
Trichloroethylene	1.0	U	1.0	0.13	ug/L			05/02/11 23:34	1
Trichlorofluoromethane	1.0	U	1.0	0.25	ug/L			05/02/11 23:34	1
1,2,3-Trichloropropane	1.0	U	1.0	0.41	ug/L			05/02/11 23:34	1
Vinyl acetate	2.0	U	2.0	0.28	ug/L			05/02/11 23:34	1
Vinyl chloride	1.0	U	1.0	0.18	ug/L			05/02/11 23:34	1
Xylenes, Total	2.0	U	2.0	0.20	ug/L			05/02/11 23:34	1

Tentatively Identified Compound

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					05/02/11 23:34	1

Surrogate

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		70 - 130		05/02/11 23:34	1
Dibromofluoromethane	102		70 - 130		05/02/11 23:34	1
Toluene-d8 (Surr)	104		70 - 130		05/02/11 23:34	1

Method: 8015B - Nonhalogenated Organic Compounds - Direct Injection (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Allyl alcohol	1000	U	1000	220	ug/L			04/29/11 22:22	1
Ethanol	1000	U	1000	330	ug/L			04/29/11 22:22	1
Isopropanol	1000	U	1000	300	ug/L			04/29/11 22:22	1
Methanol	1000	U	1000	830	ug/L			04/29/11 22:22	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000		100	50	ug/L			05/03/11 12:19	1
Antimony	5.0	U	5.0	2.0	ug/L			05/03/11 12:19	05/04/11 14:31
Arsenic	7.7		2.5	1.3	ug/L			05/03/11 12:19	05/04/11 14:31
Barium	490		5.0	1.4	ug/L			05/03/11 12:19	05/04/11 14:31
Beryllium	0.66		0.50	0.15	ug/L			05/03/11 12:19	05/04/11 14:31
Cadmium	0.50	U	0.50	0.13	ug/L			05/03/11 12:19	05/04/11 14:31
Calcium	82000		500	170	ug/L			05/03/11 12:19	05/04/11 14:31
Chromium	160		5.0	2.5	ug/L			05/03/11 12:19	05/04/11 14:31
Cobalt	9.0		0.50	0.12	ug/L			05/03/11 12:19	05/04/11 14:31
Copper	37		5.0	1.1	ug/L			05/03/11 12:19	05/04/11 14:31
Iron	230000	B	100	44	ug/L			05/03/11 12:19	05/04/11 14:31
Lead	9.8		1.5	0.50	ug/L			05/03/11 12:19	05/04/11 14:31
Magnesium	22000		250	100	ug/L			05/03/11 12:19	05/04/11 17:42
Manganese	2300		5.0	2.0	ug/L			05/03/11 12:19	05/04/11 14:31
Mercury	0.80	U	0.80	0.40	ug/L			05/03/11 12:19	05/04/11 17:42
Nickel	95		5.0	2.0	ug/L			05/03/11 12:19	05/04/11 14:31
Potassium	15000		1000	330	ug/L			05/03/11 12:19	05/04/11 14:31
Selenium	2.5		2.5	1.1	ug/L			05/03/11 12:19	05/04/11 14:31
Silver	1.0	U	1.0	0.18	ug/L			05/03/11 12:19	05/04/11 14:31

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: SDB-MW-1

Lab Sample ID: 680-67790-11

Matrix: Water

Date Collected: 04/26/11 14:25

Date Received: 04/28/11 10:03

Method: 6020 - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	77000		500	170	ug/L		05/03/11 12:19	05/04/11 14:31	1
Thallium	1.0	U	1.0	0.25	ug/L		05/03/11 12:19	05/04/11 14:31	1
Vanadium	27		10	3.2	ug/L		05/03/11 12:19	05/04/11 14:31	1
Zinc	78	B	20	8.4	ug/L		05/03/11 12:19	05/04/11 17:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45000		1000	180	ug/L		05/11/11 15:01		1
Nitrogen, Kjeldahl	14000		1000	750	ug/L		05/11/11 19:55	05/12/11 16:27	5
Nitrate as N	31	J H	50	10	ug/L			04/28/11 17:00	1
Nitrite as N	10	J H	50	10	ug/L			04/28/11 17:00	1
Sulfate	5000	U	5000	2500	ug/L			05/11/11 12:34	1
Total Organic Carbon	51000		1000	500	ug/L			05/13/11 12:25	1

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: SDB-MW-2

Lab Sample ID: 680-67790-12

Matrix: Water

Date Collected: 04/26/11 15:20

Date Received: 04/28/11 10:03

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25	5.0	ug/L			05/03/11 00:03	1
Acetonitrile	40	U	40	10	ug/L			05/03/11 00:03	1
Acrolein	20	U	20	7.4	ug/L			05/03/11 00:03	1
Acrylonitrile	20	U	20	7.2	ug/L			05/03/11 00:03	1
Allyl chloride	1.0	U	1.0	0.20	ug/L			05/03/11 00:03	1
Benzene	1.0	U	1.0	0.25	ug/L			05/03/11 00:03	1
Benzyl chloride	1.0	U	1.0	1.0	ug/L			05/03/11 00:03	1
Bromodichloromethane	1.0	U	1.0	0.25	ug/L			05/03/11 00:03	1
Bromoform	1.0	U	1.0	0.50	ug/L			05/03/11 00:03	1
Bromomethane	1.0	U	1.0	0.80	ug/L			05/03/11 00:03	1
2-Butanone	10	U	10	1.0	ug/L			05/03/11 00:03	1
Carbon disulfide	2.0	U	2.0	0.60	ug/L			05/03/11 00:03	1
Carbon tetrachloride	1.0	U	1.0	0.50	ug/L			05/03/11 00:03	1
Chlorobenzene	1.0	U	1.0	0.25	ug/L			05/03/11 00:03	1
Chloroethane	1.0	U	1.0	1.0	ug/L			05/03/11 00:03	1
Chloroform	1.0	U	1.0	0.14	ug/L			05/03/11 00:03	1
Chloromethane	1.0	U	1.0	0.33	ug/L			05/03/11 00:03	1
Chloroprene	1.0	U	1.0	0.30	ug/L			05/03/11 00:03	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.15	ug/L			05/03/11 00:03	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.11	ug/L			05/03/11 00:03	1
Dibromochloromethane	1.0	U	1.0	0.10	ug/L			05/03/11 00:03	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.44	ug/L			05/03/11 00:03	1
1,2-Dibromoethane	1.0	U	1.0	0.25	ug/L			05/03/11 00:03	1
Dibromomethane	1.0	U	1.0	0.20	ug/L			05/03/11 00:03	1
Dichlorodifluoromethane	1.0	U	1.0	0.25	ug/L			05/03/11 00:03	1
1,1-Dichloroethane	1.0	U	1.0	0.25	ug/L			05/03/11 00:03	1
1,2-Dichloroethane	1.0	U	1.0	0.10	ug/L			05/03/11 00:03	1
1,1-Dichloroethene	1.0	U	1.0	0.11	ug/L			05/03/11 00:03	1
1,2-Dichloropropane	1.0	U	1.0	0.13	ug/L			05/03/11 00:03	1
Diethyl ether	10	U	10	1.0	ug/L			05/03/11 00:03	1
Ethylbenzene	1.0	U	1.0	0.11	ug/L			05/03/11 00:03	1
Ethylene oxide	200	U	200	200	ug/L			05/03/11 00:03	1
Ethyl methacrylate	1.0	U	1.0	0.25	ug/L			05/03/11 00:03	1
2-Hexanone	10	U	10	1.0	ug/L			05/03/11 00:03	1
Iodomethane	5.0	U	5.0	1.0	ug/L			05/03/11 00:03	1
Isobutyl alcohol	40	U	40	11	ug/L			05/03/11 00:03	1
Methacrylonitrile	20	U	20	3.3	ug/L			05/03/11 00:03	1
Methylene Chloride	5.0	U	5.0	1.0	ug/L			05/03/11 00:03	1
Methyl methacrylate	1.0	U	1.0	0.48	ug/L			05/03/11 00:03	1
4-Methyl-2-pentanone (MIBK)	10	U	10	1.0	ug/L			05/03/11 00:03	1
Methyl tert-butyl ether	10	U	10	0.20	ug/L			05/03/11 00:03	1
n-Heptane	1.0	U	1.0	0.42	ug/L			05/03/11 00:03	1
Pentachloroethane	5.0	U	5.0	1.2	ug/L			05/03/11 00:03	1
Propionitrile	20	U	20	4.6	ug/L			05/03/11 00:03	1
Propylene oxide	200	U	200	200	ug/L			05/03/11 00:03	1
Styrene	1.0	U	1.0	0.11	ug/L			05/03/11 00:03	1
t-Butanol	5.0	U	5.0	2.6	ug/L			05/03/11 00:03	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.33	ug/L			05/03/11 00:03	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			05/03/11 00:03	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: SDB-MW-2

Lab Sample ID: 680-67790-12

Matrix: Water

Date Collected: 04/26/11 15:20

Date Received: 04/28/11 10:03

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/03/11 00:03	1
Toluene	1.0	U	1.0	0.33	ug/L			05/03/11 00:03	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0	0.50	ug/L			05/03/11 00:03	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	ug/L			05/03/11 00:03	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.21	ug/L			05/03/11 00:03	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.35	ug/L			05/03/11 00:03	1
1,1,1-Trichloroethane	1.0	U	1.0	0.50	ug/L			05/03/11 00:03	1
1,1,2-Trichloroethane	1.0	U	1.0	0.13	ug/L			05/03/11 00:03	1
Trichloroethylene	1.0	U	1.0	0.13	ug/L			05/03/11 00:03	1
Trichlorofluoromethane	1.0	U	1.0	0.25	ug/L			05/03/11 00:03	1
1,2,3-Trichloropropane	1.0	U	1.0	0.41	ug/L			05/03/11 00:03	1
Vinyl acetate	2.0	U	2.0	0.28	ug/L			05/03/11 00:03	1
Vinyl chloride	1.0	U	1.0	0.18	ug/L			05/03/11 00:03	1
Xylenes, Total	2.0	U	2.0	0.20	ug/L			05/03/11 00:03	1

Tentatively Identified Compound

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					05/03/11 00:03	1

Surrogate

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		70 - 130		05/03/11 00:03	1
Dibromofluoromethane	102		70 - 130		05/03/11 00:03	1
Toluene-d8 (Surr)	104		70 - 130		05/03/11 00:03	1

Method: 8015B - Nonhalogenated Organic Compounds - Direct Injection (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Allyl alcohol	1000	U	1000	220	ug/L			04/29/11 22:46	1
Ethanol	1000	U	1000	330	ug/L			04/29/11 22:46	1
Isopropanol	1000	U	1000	300	ug/L			04/29/11 22:46	1
Methanol	1000	U	1000	830	ug/L			04/29/11 22:46	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	130		100	50	ug/L			05/03/11 12:19	05/04/11 14:35
Antimony	5.0	U	5.0	2.0	ug/L			05/03/11 12:19	05/04/11 14:35
Arsenic	2.5	U	2.5	1.3	ug/L			05/03/11 12:19	05/04/11 14:35
Barium	15		5.0	1.4	ug/L			05/03/11 12:19	05/04/11 14:35
Beryllium	0.50	U	0.50	0.15	ug/L			05/03/11 12:19	05/04/11 14:35
Cadmium	0.34	J	0.50	0.13	ug/L			05/03/11 12:19	05/04/11 14:35
Calcium	490000		1000	340	ug/L			05/03/11 12:19	05/17/11 15:49
Chromium	3.4	J	5.0	2.5	ug/L			05/03/11 12:19	05/04/11 14:35
Cobalt	5.8		0.50	0.12	ug/L			05/03/11 12:19	05/04/11 14:35
Copper	8.5		5.0	1.1	ug/L			05/03/11 12:19	05/04/11 14:35
Iron	810	B	100	44	ug/L			05/03/11 12:19	05/04/11 14:35
Lead	1.5	U	1.5	0.50	ug/L			05/03/11 12:19	05/04/11 14:35
Magnesium	100000		250	100	ug/L			05/03/11 12:19	05/04/11 17:49
Manganese	1800		5.0	2.0	ug/L			05/03/11 12:19	05/04/11 14:35
Mercury	0.80	U	0.80	0.40	ug/L			05/03/11 12:19	05/04/11 17:49
Nickel	29		5.0	2.0	ug/L			05/03/11 12:19	05/04/11 14:35
Potassium	1800		1000	330	ug/L			05/03/11 12:19	05/04/11 14:35
Selenium	2.5	U	2.5	1.1	ug/L			05/03/11 12:19	05/04/11 14:35
Silver	1.0	U	1.0	0.18	ug/L			05/03/11 12:19	05/04/11 14:35

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: SDB-MW-2

Lab Sample ID: 680-67790-12

Matrix: Water

Date Collected: 04/26/11 15:20

Date Received: 04/28/11 10:03

Method: 6020 - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	300000		500	170	ug/L		05/03/11 12:19	05/04/11 14:35	1
Thallium	1.0	U	1.0	0.25	ug/L		05/03/11 12:19	05/04/11 14:35	1
Vanadium	10	U	10	3.2	ug/L		05/03/11 12:19	05/04/11 14:35	1
Zinc	49	B	20	8.4	ug/L		05/03/11 12:19	05/04/11 17:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130000		3000	540	ug/L		05/11/11 15:43		3
Nitrogen, Kjeldahl	400		200	150	ug/L		05/11/11 19:55	05/12/11 15:39	1
Nitrate as N	50	U H	50	10	ug/L			04/28/11 17:02	1
Nitrite as N	50	U H	50	10	ug/L			04/28/11 17:02	1
Sulfate	1200000		250000	120000	ug/L			05/11/11 13:25	50
Total Organic Carbon	6300		1000	500	ug/L			05/13/11 12:44	1

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: SDB-MW-3

Lab Sample ID: 680-67790-13

Matrix: Water

Date Collected: 04/26/11 16:10

Date Received: 04/28/11 10:03

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25	5.0	ug/L			05/03/11 00:32	1
Acetonitrile	40	U	40	10	ug/L			05/03/11 00:32	1
Acrolein	20	U	20	7.4	ug/L			05/03/11 00:32	1
Acrylonitrile	20	U	20	7.2	ug/L			05/03/11 00:32	1
Allyl chloride	1.0	U	1.0	0.20	ug/L			05/03/11 00:32	1
Benzene	1.0	U	1.0	0.25	ug/L			05/03/11 00:32	1
Benzyl chloride	1.0	U	1.0	1.0	ug/L			05/03/11 00:32	1
Bromodichloromethane	1.0	U	1.0	0.25	ug/L			05/03/11 00:32	1
Bromoform	1.0	U	1.0	0.50	ug/L			05/03/11 00:32	1
Bromomethane	1.0	U	1.0	0.80	ug/L			05/03/11 00:32	1
2-Butanone	10	U	10	1.0	ug/L			05/03/11 00:32	1
Carbon disulfide	2.0	U	2.0	0.60	ug/L			05/03/11 00:32	1
Carbon tetrachloride	1.0	U	1.0	0.50	ug/L			05/03/11 00:32	1
Chlorobenzene	1.0	U	1.0	0.25	ug/L			05/03/11 00:32	1
Chloroethane	1.0	U	1.0	1.0	ug/L			05/03/11 00:32	1
Chloroform	1.0	U	1.0	0.14	ug/L			05/03/11 00:32	1
Chloromethane	1.0	U	1.0	0.33	ug/L			05/03/11 00:32	1
Chloroprene	1.0	U	1.0	0.30	ug/L			05/03/11 00:32	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.15	ug/L			05/03/11 00:32	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.11	ug/L			05/03/11 00:32	1
Dibromochloromethane	1.0	U	1.0	0.10	ug/L			05/03/11 00:32	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.44	ug/L			05/03/11 00:32	1
1,2-Dibromoethane	1.0	U	1.0	0.25	ug/L			05/03/11 00:32	1
Dibromomethane	1.0	U	1.0	0.20	ug/L			05/03/11 00:32	1
Dichlorodifluoromethane	1.0	U	1.0	0.25	ug/L			05/03/11 00:32	1
1,1-Dichloroethane	1.0	U	1.0	0.25	ug/L			05/03/11 00:32	1
1,2-Dichloroethane	1.0	U	1.0	0.10	ug/L			05/03/11 00:32	1
1,1-Dichloroethene	1.0	U	1.0	0.11	ug/L			05/03/11 00:32	1
1,2-Dichloropropane	1.0	U	1.0	0.13	ug/L			05/03/11 00:32	1
Diethyl ether	500	E	10	1.0	ug/L			05/03/11 00:32	1
Ethylbenzene	1.0	U	1.0	0.11	ug/L			05/03/11 00:32	1
Ethylene oxide	200	U	200	200	ug/L			05/03/11 00:32	1
Ethyl methacrylate	1.0	U	1.0	0.25	ug/L			05/03/11 00:32	1
2-Hexanone	10	U	10	1.0	ug/L			05/03/11 00:32	1
Iodomethane	5.0	U	5.0	1.0	ug/L			05/03/11 00:32	1
Isobutyl alcohol	40	U	40	11	ug/L			05/03/11 00:32	1
Methacrylonitrile	20	U	20	3.3	ug/L			05/03/11 00:32	1
Methylene Chloride	5.0	U	5.0	1.0	ug/L			05/03/11 00:32	1
Methyl methacrylate	1.0	U	1.0	0.48	ug/L			05/03/11 00:32	1
4-Methyl-2-pentanone (MIBK)	10	U	10	1.0	ug/L			05/03/11 00:32	1
Methyl tert-butyl ether	10	U	10	0.20	ug/L			05/03/11 00:32	1
n-Heptane	1.0	U	1.0	0.42	ug/L			05/03/11 00:32	1
Pentachloroethane	5.0	U	5.0	1.2	ug/L			05/03/11 00:32	1
Propionitrile	20	U	20	4.6	ug/L			05/03/11 00:32	1
Propylene oxide	200	U	200	200	ug/L			05/03/11 00:32	1
Styrene	1.0	U	1.0	0.11	ug/L			05/03/11 00:32	1
t-Butanol	830	E	5.0	2.6	ug/L			05/03/11 00:32	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.33	ug/L			05/03/11 00:32	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			05/03/11 00:32	1

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: SDB-MW-3

Lab Sample ID: 680-67790-13

Matrix: Water

Date Collected: 04/26/11 16:10

Date Received: 04/28/11 10:03

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/03/11 00:32	1
Toluene	1.0	U	1.0	0.33	ug/L			05/03/11 00:32	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0	0.50	ug/L			05/03/11 00:32	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	ug/L			05/03/11 00:32	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.21	ug/L			05/03/11 00:32	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.35	ug/L			05/03/11 00:32	1
1,1,1-Trichloroethane	1.0	U	1.0	0.50	ug/L			05/03/11 00:32	1
1,1,2-Trichloroethane	1.0	U	1.0	0.13	ug/L			05/03/11 00:32	1
Trichloroethylene	1.0	U	1.0	0.13	ug/L			05/03/11 00:32	1
Trichlorofluoromethane	1.0	U	1.0	0.25	ug/L			05/03/11 00:32	1
1,2,3-Trichloropropane	1.0	U	1.0	0.41	ug/L			05/03/11 00:32	1
Vinyl acetate	2.0	U	2.0	0.28	ug/L			05/03/11 00:32	1
Vinyl chloride	1.0	U	1.0	0.18	ug/L			05/03/11 00:32	1
Xylenes, Total	2.0	U	2.0	0.20	ug/L			05/03/11 00:32	1
<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/L</i>					<i>05/03/11 00:32</i>	<i>1</i>
<i>Surrogate</i>	<i>% Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
4-Bromofluorobenzene	92		70 - 130					05/03/11 00:32	1
Dibromofluoromethane	104		70 - 130					05/03/11 00:32	1
Toluene-d8 (Surr)	103		70 - 130					05/03/11 00:32	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	500	U	500	100	ug/L			05/03/11 16:59	20
Acetonitrile	800	U	800	200	ug/L			05/03/11 16:59	20
Acrolein	400	U	400	150	ug/L			05/03/11 16:59	20
Acrylonitrile	400	U	400	140	ug/L			05/03/11 16:59	20
Allyl chloride	20	U	20	4.0	ug/L			05/03/11 16:59	20
Benzene	20	U	20	5.0	ug/L			05/03/11 16:59	20
Benzyl chloride	20	U	20	20	ug/L			05/03/11 16:59	20
Bromodichloromethane	20	U	20	5.0	ug/L			05/03/11 16:59	20
Bromoform	20	U	20	10	ug/L			05/03/11 16:59	20
Bromomethane	20	U	20	16	ug/L			05/03/11 16:59	20
2-Butanone	200	U	200	20	ug/L			05/03/11 16:59	20
Carbon disulfide	40	U	40	12	ug/L			05/03/11 16:59	20
Carbon tetrachloride	20	U	20	10	ug/L			05/03/11 16:59	20
Chlorobenzene	20	U	20	5.0	ug/L			05/03/11 16:59	20
Chloroethane	20	U	20	20	ug/L			05/03/11 16:59	20
Chloroform	20	U	20	2.8	ug/L			05/03/11 16:59	20
Chloromethane	20	U	20	6.6	ug/L			05/03/11 16:59	20
Chloroprene	20	U	20	6.0	ug/L			05/03/11 16:59	20
cis-1,2-Dichloroethene	20	U	20	3.0	ug/L			05/03/11 16:59	20
cis-1,3-Dichloropropene	20	U	20	2.2	ug/L			05/03/11 16:59	20
Dibromochloromethane	20	U	20	2.0	ug/L			05/03/11 16:59	20
1,2-Dibromo-3-Chloropropane	20	U	20	8.8	ug/L			05/03/11 16:59	20
1,2-Dibromoethane	20	U	20	5.0	ug/L			05/03/11 16:59	20
Dibromomethane	20	U	20	4.0	ug/L			05/03/11 16:59	20
Dichlorodifluoromethane	20	U	20	5.0	ug/L			05/03/11 16:59	20
1,1-Dichloroethane	20	U	20	5.0	ug/L			05/03/11 16:59	20

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: SDB-MW-3

Lab Sample ID: 680-67790-13

Matrix: Water

Date Collected: 04/26/11 16:10

Date Received: 04/28/11 10:03

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	20	U	20	2.0	ug/L			05/03/11 16:59	20
1,1-Dichloroethene	20	U	20	2.2	ug/L			05/03/11 16:59	20
1,2-Dichloropropane	20	U	20	2.6	ug/L			05/03/11 16:59	20
Diethyl ether	440	D	200	20	ug/L			05/03/11 16:59	20
Ethylbenzene	20	U	20	2.2	ug/L			05/03/11 16:59	20
Ethylene oxide	4000	U	4000	4000	ug/L			05/03/11 16:59	20
Ethyl methacrylate	20	U	20	5.0	ug/L			05/03/11 16:59	20
2-Hexanone	200	U	200	20	ug/L			05/03/11 16:59	20
Iodomethane	100	U	100	20	ug/L			05/03/11 16:59	20
Isobutyl alcohol	800	U	800	220	ug/L			05/03/11 16:59	20
Methacrylonitrile	400	U	400	66	ug/L			05/03/11 16:59	20
Methylene Chloride	100	U	100	20	ug/L			05/03/11 16:59	20
Methyl methacrylate	20	U	20	9.6	ug/L			05/03/11 16:59	20
4-Methyl-2-pentanone (MIBK)	200	U	200	20	ug/L			05/03/11 16:59	20
Methyl tert-butyl ether	200	U	200	4.0	ug/L			05/03/11 16:59	20
n-Heptane	20	U	20	8.4	ug/L			05/03/11 16:59	20
Pentachloroethane	100	U	100	24	ug/L			05/03/11 16:59	20
Propionitrile	400	U	400	92	ug/L			05/03/11 16:59	20
Propylene oxide	4000	U	4000	4000	ug/L			05/03/11 16:59	20
Styrene	20	U	20	2.2	ug/L			05/03/11 16:59	20
t-Butanol	790	D	100	52	ug/L			05/03/11 16:59	20
1,1,1,2-Tetrachloroethane	20	U	20	6.6	ug/L			05/03/11 16:59	20
1,1,2,2-Tetrachloroethane	20	U	20	3.6	ug/L			05/03/11 16:59	20
Tetrachloroethene	20	U	20	3.0	ug/L			05/03/11 16:59	20
Toluene	20	U	20	6.6	ug/L			05/03/11 16:59	20
trans-1,4-Dichloro-2-butene	40	U	40	10	ug/L			05/03/11 16:59	20
trans-1,2-Dichloroethene	20	U	20	4.0	ug/L			05/03/11 16:59	20
trans-1,3-Dichloropropene	20	U	20	4.2	ug/L			05/03/11 16:59	20
1,2,3-Trichlorobenzene	20	U	20	7.0	ug/L			05/03/11 16:59	20
1,1,1-Trichloroethane	20	U	20	10	ug/L			05/03/11 16:59	20
1,1,2-Trichloroethane	20	U	20	2.6	ug/L			05/03/11 16:59	20
Trichloroethylene	20	U	20	2.6	ug/L			05/03/11 16:59	20
Trichlorofluoromethane	20	U	20	5.0	ug/L			05/03/11 16:59	20
1,2,3-Trichloropropane	20	U	20	8.2	ug/L			05/03/11 16:59	20
Vinyl acetate	40	U	40	5.6	ug/L			05/03/11 16:59	20
Vinyl chloride	20	U	20	3.6	ug/L			05/03/11 16:59	20
Xylenes, Total	40	U	40	4.0	ug/L			05/03/11 16:59	20

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					05/03/11 16:59	20
Surrogate									
% Recovery									
4-Bromofluorobenzene									
95									
Dibromofluoromethane									
96									
Toluene-d8 (Surr)									
104									

Method: 8015B - Nonhalogenated Organic Compounds - Direct Injection (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Allyl alcohol	1000	U	1000	220	ug/L			04/29/11 23:10	1
Ethanol	1000	U	1000	330	ug/L			04/29/11 23:10	1
Isopropanol	1000	U	1000	300	ug/L			04/29/11 23:10	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: SDB-MW-3

Lab Sample ID: 680-67790-13

Matrix: Water

Date Collected: 04/26/11 16:10

Date Received: 04/28/11 10:03

Method: 8015B - Nonhalogenated Organic Compounds - Direct Injection (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methanol	1000	U	1000	830	ug/L			04/29/11 23:10	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	1300		100	50	ug/L		05/03/11 12:19	05/04/11 14:39	1
Antimony	5.0	U	5.0	2.0	ug/L		05/03/11 12:19	05/04/11 14:39	1
Arsenic	2.5	U	2.5	1.3	ug/L		05/03/11 12:19	05/04/11 14:39	1
Barium	22		5.0	1.4	ug/L		05/03/11 12:19	05/04/11 14:39	1
Beryllium	0.50	U	0.50	0.15	ug/L		05/03/11 12:19	05/04/11 14:39	1
Cadmium	0.70		0.50	0.13	ug/L		05/03/11 12:19	05/04/11 14:39	1
Calcium	380000		500	170	ug/L		05/03/11 12:19	05/04/11 14:39	1
Chromium	19		5.0	2.5	ug/L		05/03/11 12:19	05/04/11 14:39	1
Cobalt	8.4		0.50	0.12	ug/L		05/03/11 12:19	05/04/11 14:39	1
Copper	15		5.0	1.1	ug/L		05/03/11 12:19	05/04/11 14:39	1
Iron	1700	B	100	44	ug/L		05/03/11 12:19	05/04/11 14:39	1
Lead	0.91	J	1.5	0.50	ug/L		05/03/11 12:19	05/04/11 14:39	1
Magnesium	100000		250	100	ug/L		05/03/11 12:19	05/04/11 17:56	1
Manganese	1500		5.0	2.0	ug/L		05/03/11 12:19	05/04/11 14:39	1
Mercury	0.80	U	0.80	0.40	ug/L		05/03/11 12:19	05/04/11 17:56	1
Nickel	46		5.0	2.0	ug/L		05/03/11 12:19	05/04/11 14:39	1
Potassium	2300		1000	330	ug/L		05/03/11 12:19	05/04/11 14:39	1
Selenium	12		2.5	1.1	ug/L		05/03/11 12:19	05/04/11 14:39	1
Silver	1.0	U	1.0	0.18	ug/L		05/03/11 12:19	05/04/11 14:39	1
Sodium	300000		500	170	ug/L		05/03/11 12:19	05/04/11 14:39	1
Thallium	1.0	U	1.0	0.25	ug/L		05/03/11 12:19	05/04/11 14:39	1
Vanadium	4.0	J	10	3.2	ug/L		05/03/11 12:19	05/04/11 14:39	1
Zinc	29	B	20	8.4	ug/L		05/03/11 12:19	05/04/11 17:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	280000		5000	900	ug/L			05/11/11 15:35	5
Nitrogen, Kjeldahl	390		200	150	ug/L		05/11/11 19:55	05/12/11 15:39	1
Nitrate as N	290	H	50	10	ug/L			04/28/11 17:03	1
Nitrite as N	50	U H	50	10	ug/L			04/28/11 17:03	1
Sulfate	1100000		250000	120000	ug/L			05/11/11 13:25	50
Total Organic Carbon	5600		1000	500	ug/L			05/13/11 13:01	1

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: Trip Blank 1

Lab Sample ID: 680-67790-14

Matrix: Water

Date Collected: 04/26/11 00:00

Date Received: 04/28/11 10:03

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25	5.0	ug/L			05/02/11 19:44	1
Acetonitrile	40	U	40	10	ug/L			05/02/11 19:44	1
Acrolein	20	U	20	7.4	ug/L			05/02/11 19:44	1
Acrylonitrile	20	U	20	7.2	ug/L			05/02/11 19:44	1
Allyl chloride	1.0	U	1.0	0.20	ug/L			05/02/11 19:44	1
Benzene	1.0	U	1.0	0.25	ug/L			05/02/11 19:44	1
Benzyl chloride	1.0	U	1.0	1.0	ug/L			05/02/11 19:44	1
Bromodichloromethane	1.0	U	1.0	0.25	ug/L			05/02/11 19:44	1
Bromoform	1.0	U	1.0	0.50	ug/L			05/02/11 19:44	1
Bromomethane	1.0	U	1.0	0.80	ug/L			05/02/11 19:44	1
2-Butanone	10	U	10	1.0	ug/L			05/02/11 19:44	1
Carbon disulfide	2.0	U	2.0	0.60	ug/L			05/02/11 19:44	1
Carbon tetrachloride	1.0	U	1.0	0.50	ug/L			05/02/11 19:44	1
Chlorobenzene	1.0	U	1.0	0.25	ug/L			05/02/11 19:44	1
Chloroethane	1.0	U	1.0	1.0	ug/L			05/02/11 19:44	1
Chloroform	1.0	U	1.0	0.14	ug/L			05/02/11 19:44	1
Chloromethane	1.0	U	1.0	0.33	ug/L			05/02/11 19:44	1
Chloroprene	1.0	U	1.0	0.30	ug/L			05/02/11 19:44	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.15	ug/L			05/02/11 19:44	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.11	ug/L			05/02/11 19:44	1
Dibromochloromethane	1.0	U	1.0	0.10	ug/L			05/02/11 19:44	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.44	ug/L			05/02/11 19:44	1
1,2-Dibromoethane	1.0	U	1.0	0.25	ug/L			05/02/11 19:44	1
Dibromomethane	1.0	U	1.0	0.20	ug/L			05/02/11 19:44	1
Dichlorodifluoromethane	1.0	U	1.0	0.25	ug/L			05/02/11 19:44	1
1,1-Dichloroethane	1.0	U	1.0	0.25	ug/L			05/02/11 19:44	1
1,2-Dichloroethane	1.0	U	1.0	0.10	ug/L			05/02/11 19:44	1
1,1-Dichloroethene	1.0	U	1.0	0.11	ug/L			05/02/11 19:44	1
1,2-Dichloropropane	1.0	U	1.0	0.13	ug/L			05/02/11 19:44	1
Diethyl ether	10	U	10	1.0	ug/L			05/02/11 19:44	1
Ethylbenzene	1.0	U	1.0	0.11	ug/L			05/02/11 19:44	1
Ethylene oxide	200	U	200	200	ug/L			05/02/11 19:44	1
Ethyl methacrylate	1.0	U	1.0	0.25	ug/L			05/02/11 19:44	1
2-Hexanone	10	U	10	1.0	ug/L			05/02/11 19:44	1
Iodomethane	5.0	U	5.0	1.0	ug/L			05/02/11 19:44	1
Isobutyl alcohol	40	U	40	11	ug/L			05/02/11 19:44	1
Methacrylonitrile	20	U	20	3.3	ug/L			05/02/11 19:44	1
Methylene Chloride	5.0	U	5.0	1.0	ug/L			05/02/11 19:44	1
Methyl methacrylate	1.0	U	1.0	0.48	ug/L			05/02/11 19:44	1
4-Methyl-2-pentanone (MIBK)	10	U	10	1.0	ug/L			05/02/11 19:44	1
Methyl tert-butyl ether	10	U	10	0.20	ug/L			05/02/11 19:44	1
n-Heptane	1.0	U	1.0	0.42	ug/L			05/02/11 19:44	1
Pentachloroethane	5.0	U	5.0	1.2	ug/L			05/02/11 19:44	1
Propionitrile	20	U	20	4.6	ug/L			05/02/11 19:44	1
Propylene oxide	200	U	200	200	ug/L			05/02/11 19:44	1
Styrene	1.0	U	1.0	0.11	ug/L			05/02/11 19:44	1
t-Butanol	5.0	U	5.0	2.6	ug/L			05/02/11 19:44	1
1,1,2-Tetrachloroethane	1.0	U	1.0	0.33	ug/L			05/02/11 19:44	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			05/02/11 19:44	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Client Sample ID: Trip Blank 1

Lab Sample ID: 680-67790-14

Matrix: Water

Date Collected: 04/26/11 00:00

Date Received: 04/28/11 10:03

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/02/11 19:44	1
Toluene	1.0	U	1.0	0.33	ug/L			05/02/11 19:44	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0	0.50	ug/L			05/02/11 19:44	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	ug/L			05/02/11 19:44	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.21	ug/L			05/02/11 19:44	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.35	ug/L			05/02/11 19:44	1
1,1,1-Trichloroethane	1.0	U	1.0	0.50	ug/L			05/02/11 19:44	1
1,1,2-Trichloroethane	1.0	U	1.0	0.13	ug/L			05/02/11 19:44	1
Trichloroethylene	1.0	U	1.0	0.13	ug/L			05/02/11 19:44	1
Trichlorofluoromethane	1.0	U	1.0	0.25	ug/L			05/02/11 19:44	1
1,2,3-Trichloropropane	1.0	U	1.0	0.41	ug/L			05/02/11 19:44	1
Vinyl acetate	2.0	U	2.0	0.28	ug/L			05/02/11 19:44	1
Vinyl chloride	1.0	U	1.0	0.18	ug/L			05/02/11 19:44	1
Xylenes, Total	2.0	U	2.0	0.20	ug/L			05/02/11 19:44	1
<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/L</i>					<i>05/02/11 19:44</i>	<i>1</i>
<i>Surrogate</i>	<i>% Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
4-Bromofluorobenzene	95		70 - 130					05/02/11 19:44	1
Dibromofluoromethane	100		70 - 130					05/02/11 19:44	1
Toluene-d8 (Surr)	100		70 - 130					05/02/11 19:44	1

Surrogate Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-67790-1

Project/Site: Aqualon Hopewell - GW CA APR 2011

SDG: HAQ034

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (70-130)	DBFM (70-130)	TOL (70-130)
680-67790-7	MW-8D	94	103	102
680-67790-8 - DL	MW-8U	95	100	102
680-67790-8	MW-8U	98	99	102
680-67790-9	MW-6	94	99	104
680-67790-10	MW-3	95	104	106
680-67790-11	SDB-MW-1	93	102	104
680-67790-12	SDB-MW-2	94	102	104
680-67790-13	SDB-MW-3	92	104	103
680-67790-13 - DL	SDB-MW-3	95	96	104
680-67790-14	Trip Blank 1	95	100	100
LCS 680-201744/4	LCS 680-201744/4	100	103	102
LCS 680-201920/14	LCS 680-201920/14	100	100	101
LCS 680-201921/6	LCS 680-201921/6	99	106	103
LCSD 680-201744/14	LCSD 680-201744/14	100	101	102
LCSD 680-201920/15	LCSD 680-201920/15	101	99	102
LCSD 680-201921/7	LCSD 680-201921/7	99	99	101
MB 680-201744/17	MB 680-201744/17	97	103	104
MB 680-201920/16	MB 680-201920/16	99	105	102
MB 680-201921/9	MB 680-201921/9	96	104	101

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (34-130)	2FP (25-130)	NBZ (32-130)	PHL (27-130)	TPH (36-130)	TBP (30-130)
680-67790-7	MW-8D	68	60	65	60	92	75
680-67790-8	MW-8U	59	50	58	28	70	74
680-67790-9	MW-6	71	61	68	31	69	92
680-67790-10	MW-3	59	57	62	58	65	80
LCS 680-201675/19-A	LCS 680-201675/19-A	66	61	64	54	70	72
LCS 680-201675/22-A	LCS 680-201675/22-A	58	54	57	55	66	75
MB 680-201675/18-A	MB 680-201675/18-A	61	56	64	52	69	67

Surrogate Legend

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol

NBZ = Nitrobenzene-d5

PHL = Phenol-d5

TPH = Terphenyl-d14

TBP = 2,4,6-Tribromophenol

QC Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-201744/17

Matrix: Water

Analysis Batch: 201744

Client Sample ID: MB 680-201744/17

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	25	U	25	5.0	ug/L			05/02/11 19:15	1
Acetonitrile	40	U	40	10	ug/L			05/02/11 19:15	1
Acrolein	20	U	20	7.4	ug/L			05/02/11 19:15	1
Acrylonitrile	20	U	20	7.2	ug/L			05/02/11 19:15	1
Allyl chloride	1.0	U	1.0	0.20	ug/L			05/02/11 19:15	1
Benzene	1.0	U	1.0	0.25	ug/L			05/02/11 19:15	1
Benzyl chloride	1.0	U	1.0	1.0	ug/L			05/02/11 19:15	1
Bromodichloromethane	1.0	U	1.0	0.25	ug/L			05/02/11 19:15	1
Bromoform	1.0	U	1.0	0.50	ug/L			05/02/11 19:15	1
Bromomethane	1.0	U	1.0	0.80	ug/L			05/02/11 19:15	1
2-Butanone	10	U	10	1.0	ug/L			05/02/11 19:15	1
Carbon disulfide	2.0	U	2.0	0.60	ug/L			05/02/11 19:15	1
Carbon tetrachloride	1.0	U	1.0	0.50	ug/L			05/02/11 19:15	1
Chlorobenzene	1.0	U	1.0	0.25	ug/L			05/02/11 19:15	1
Chloroethane	1.0	U	1.0	1.0	ug/L			05/02/11 19:15	1
Chloroform	1.0	U	1.0	0.14	ug/L			05/02/11 19:15	1
Chloromethane	1.0	U	1.0	0.33	ug/L			05/02/11 19:15	1
Chloroprene	1.0	U	1.0	0.30	ug/L			05/02/11 19:15	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.15	ug/L			05/02/11 19:15	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.11	ug/L			05/02/11 19:15	1
Dibromochloromethane	1.0	U	1.0	0.10	ug/L			05/02/11 19:15	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.44	ug/L			05/02/11 19:15	1
1,2-Dibromoethane	1.0	U	1.0	0.25	ug/L			05/02/11 19:15	1
Dibromomethane	1.0	U	1.0	0.20	ug/L			05/02/11 19:15	1
Dichlorodifluoromethane	1.0	U	1.0	0.25	ug/L			05/02/11 19:15	1
1,1-Dichloroethane	1.0	U	1.0	0.25	ug/L			05/02/11 19:15	1
1,2-Dichloroethane	1.0	U	1.0	0.10	ug/L			05/02/11 19:15	1
1,1-Dichloroethene	1.0	U	1.0	0.11	ug/L			05/02/11 19:15	1
1,2-Dichloropropane	1.0	U	1.0	0.13	ug/L			05/02/11 19:15	1
Diethyl ether	10	U	10	1.0	ug/L			05/02/11 19:15	1
Ethylbenzene	1.0	U	1.0	0.11	ug/L			05/02/11 19:15	1
Ethylene oxide	200	U	200	200	ug/L			05/02/11 19:15	1
Ethyl methacrylate	1.0	U	1.0	0.25	ug/L			05/02/11 19:15	1
2-Hexanone	10	U	10	1.0	ug/L			05/02/11 19:15	1
Iodomethane	5.0	U	5.0	1.0	ug/L			05/02/11 19:15	1
Isobutyl alcohol	40	U	40	11	ug/L			05/02/11 19:15	1
Methacrylonitrile	20	U	20	3.3	ug/L			05/02/11 19:15	1
Methylene Chloride	5.0	U	5.0	1.0	ug/L			05/02/11 19:15	1
Methyl methacrylate	1.0	U	1.0	0.48	ug/L			05/02/11 19:15	1
4-Methyl-2-pentanone (MIBK)	10	U	10	1.0	ug/L			05/02/11 19:15	1
Methyl tert-butyl ether	10	U	10	0.20	ug/L			05/02/11 19:15	1
n-Heptane	1.0	U	1.0	0.42	ug/L			05/02/11 19:15	1
Pentachloroethane	5.0	U	5.0	1.2	ug/L			05/02/11 19:15	1
Propionitrile	20	U	20	4.6	ug/L			05/02/11 19:15	1
Propylene oxide	200	U	200	200	ug/L			05/02/11 19:15	1
Styrene	1.0	U	1.0	0.11	ug/L			05/02/11 19:15	1
t-Butanol	5.0	U	5.0	2.6	ug/L			05/02/11 19:15	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.33	ug/L			05/02/11 19:15	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			05/02/11 19:15	1

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-201744/17

Matrix: Water

Analysis Batch: 201744

Client Sample ID: MB 680-201744/17

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/02/11 19:15	1
Toluene	1.0	U	1.0	0.33	ug/L			05/02/11 19:15	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0	0.50	ug/L			05/02/11 19:15	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	ug/L			05/02/11 19:15	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.21	ug/L			05/02/11 19:15	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.35	ug/L			05/02/11 19:15	1
1,1,1-Trichloroethane	1.0	U	1.0	0.50	ug/L			05/02/11 19:15	1
1,1,2-Trichloroethane	1.0	U	1.0	0.13	ug/L			05/02/11 19:15	1
Trichloroethylene	1.0	U	1.0	0.13	ug/L			05/02/11 19:15	1
Trichlorofluoromethane	1.0	U	1.0	0.25	ug/L			05/02/11 19:15	1
1,2,3-Trichloropropane	1.0	U	1.0	0.41	ug/L			05/02/11 19:15	1
Vinyl acetate	2.0	U	2.0	0.28	ug/L			05/02/11 19:15	1
Vinyl chloride	1.0	U	1.0	0.18	ug/L			05/02/11 19:15	1
Xylenes, Total	2.0	U	2.0	0.20	ug/L			05/02/11 19:15	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	MB Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					05/02/11 19:15	1

Surrogate	MB % Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		70 - 130		05/02/11 19:15	1
Dibromofluoromethane	103		70 - 130		05/02/11 19:15	1
Toluene-d8 (Surr)	104		70 - 130		05/02/11 19:15	1

Lab Sample ID: LCS 680-201744/4

Matrix: Water

Analysis Batch: 201744

Client Sample ID: LCS 680-201744/4

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	Limits
Acetone	100	108		ug/L		108	26 - 180
Benzene	50.0	51.1		ug/L		102	70 - 130
Bromodichloromethane	50.0	52.5		ug/L		105	70 - 130
Bromoform	50.0	44.9		ug/L		90	70 - 130
Bromomethane	50.0	45.6		ug/L		91	23 - 165
2-Butanone	100	97.7		ug/L		98	49 - 172
Carbon disulfide	50.0	47.7		ug/L		95	54 - 132
Carbon tetrachloride	50.0	54.2		ug/L		108	70 - 130
Chlorobenzene	50.0	50.3		ug/L		101	70 - 130
Chloroethane	50.0	41.8		ug/L		84	56 - 152
Chloroform	50.0	51.6		ug/L		103	70 - 130
Chloromethane	50.0	46.5		ug/L		93	70 - 130
cis-1,2-Dichloroethene	50.0	52.0		ug/L		104	70 - 130
cis-1,3-Dichloropropene	50.0	53.4		ug/L		107	70 - 130
Dibromochloromethane	50.0	54.3		ug/L		109	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	53.6		ug/L		107	70 - 130
1,2-Dibromoethane	50.0	52.1		ug/L		104	70 - 130
Dibromomethane	50.0	50.5		ug/L		101	70 - 130
Dichlorodifluoromethane	50.0	46.2		ug/L		92	44 - 146
1,1-Dichloroethane	50.0	51.8		ug/L		104	70 - 130
1,2-Dichloroethane	50.0	49.8		ug/L		100	70 - 130

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-201744/4

Matrix: Water

Analysis Batch: 201744

Client Sample ID: LCS 680-201744/4

Prep Type: Total/NA

Analyte	Spike Added	LCS			Unit	D	% Rec.	
		Result	Qualifier	Limits			% Rec.	Limits
1,1-Dichloroethene	50.0	50.6		ug/L		101	66 - 131	
1,2-Dichloropropane	50.0	50.4		ug/L		101	70 - 130	
Diethyl ether	50.0	50.4		ug/L		101	10 - 200	
Ethylbenzene	50.0	51.9		ug/L		104	70 - 130	
2-Hexanone	100	103		ug/L		103	42 - 185	
Methylene Chloride	50.0	49.0		ug/L		98	67 - 130	
4-Methyl-2-pentanone (MIBK)	100	99.8		ug/L		100	70 - 130	
Methyl tert-butyl ether	100	105		ug/L		105	64 - 131	
Styrene	50.0	52.9		ug/L		106	70 - 130	
t-Butanol	50.0	57.7		ug/L		115	20 - 195	
1,1,1,2-Tetrachloroethane	50.0	54.1		ug/L		108	70 - 130	
1,1,2,2-Tetrachloroethane	50.0	51.9		ug/L		104	70 - 130	
Tetrachloroethene	50.0	49.8		ug/L		100	70 - 130	
Toluene	50.0	50.8		ug/L		102	70 - 130	
trans-1,2-Dichloroethene	50.0	52.1		ug/L		104	70 - 130	
trans-1,3-Dichloropropene	50.0	54.9		ug/L		110	70 - 130	
1,2,3-Trichlorobenzene	50.0	51.1		ug/L		102	70 - 130	
1,1,1-Trichloroethane	50.0	52.8		ug/L		106	70 - 130	
1,1,2-Trichloroethane	50.0	50.9		ug/L		102	70 - 130	
Trichloroethylene	50.0	51.2		ug/L		102	70 - 130	
Trichlorofluoromethane	50.0	45.9		ug/L		92	55 - 156	
1,2,3-Trichloropropane	50.0	50.5		ug/L		101	70 - 130	
Vinyl acetate	100	157		ug/L		157	60 - 176	
Vinyl chloride	50.0	53.1		ug/L		106	67 - 134	
Xylenes, Total	150	156		ug/L		104	70 - 130	

Surrogate	LCS		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	100		70 - 130
Dibromofluoromethane	103		70 - 130
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: LCSD 680-201744/14

Matrix: Water

Analysis Batch: 201744

Client Sample ID: LCSD 680-201744/14

Prep Type: Total/NA

Analyte	Spike Added	LCSD			Unit	D	% Rec.		RPD	Limit
		Result	Qualifier	Limits			% Rec.	Limits		
Acetone	100	105		ug/L		105	26 - 180	3	50	
Benzene	50.0	51.4		ug/L		103	70 - 130	1	30	
Bromodichloromethane	50.0	52.8		ug/L		106	70 - 130	1	30	
Bromoform	50.0	44.9		ug/L		90	70 - 130	0	30	
Bromomethane	50.0	49.6		ug/L		99	23 - 165	8	50	
2-Butanone	100	99.8		ug/L		100	49 - 172	2	30	
Carbon disulfide	50.0	46.5		ug/L		93	54 - 132	3	30	
Carbon tetrachloride	50.0	53.8		ug/L		108	70 - 130	1	30	
Chlorobenzene	50.0	49.8		ug/L		100	70 - 130	1	30	
Chloroethane	50.0	41.5		ug/L		83	56 - 152	1	40	
Chloroform	50.0	50.9		ug/L		102	70 - 130	1	30	
Chloromethane	50.0	45.6		ug/L		91	70 - 130	2	30	
cis-1,2-Dichloroethene	50.0	50.7		ug/L		101	70 - 130	2	30	

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-201744/14

Client Sample ID: LCSD 680-201744/14

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 201744

Analyte	Spike	LCSD	LCSD	Unit	D	% Rec	% Rec.	RPD	RPD Limit
	Added	Result	Qualifier				Limits		
cis-1,3-Dichloropropene	50.0	54.6		ug/L	109	70 - 130	2	30	
Dibromochloromethane	50.0	54.7		ug/L	109	70 - 130	1	50	
1,2-Dibromo-3-Chloropropane	50.0	53.5		ug/L	107	70 - 130	0	50	
1,2-Dibromoethane	50.0	53.1		ug/L	106	70 - 130	2	30	
Dibromomethane	50.0	51.3		ug/L	103	70 - 130	1	30	
Dichlorodifluoromethane	50.0	44.7		ug/L	89	44 - 146	3	50	
1,1-Dichloroethane	50.0	51.0		ug/L	102	70 - 130	2	30	
1,2-Dichloroethane	50.0	49.8		ug/L	100	70 - 130	0	30	
1,1-Dichloroethene	50.0	48.2		ug/L	96	66 - 131	5	30	
1,2-Dichloropropane	50.0	50.6		ug/L	101	70 - 130	0	30	
Diethyl ether	50.0	49.3		ug/L	99	10 - 200	2	50	
Ethylbenzene	50.0	51.8		ug/L	104	70 - 130	0	30	
2-Hexanone	100	105		ug/L	105	42 - 185	2	30	
Methylene Chloride	50.0	49.5		ug/L	99	67 - 130	1	30	
4-Methyl-2-pentanone (MIBK)	100	102		ug/L	102	70 - 130	2	30	
Methyl tert-butyl ether	100	104		ug/L	104	64 - 131	0	30	
Styrene	50.0	52.7		ug/L	105	70 - 130	0	30	
t-Butanol	50.0	57.6		ug/L	115	20 - 195	0	50	
1,1,1,2-Tetrachloroethane	50.0	54.6		ug/L	109	70 - 130	1	30	
1,1,2,2-Tetrachloroethane	50.0	51.6		ug/L	103	70 - 130	1	30	
Tetrachloroethene	50.0	49.1		ug/L	98	70 - 130	2	30	
Toluene	50.0	51.4		ug/L	103	70 - 130	1	30	
trans-1,2-Dichloroethene	50.0	50.6		ug/L	101	70 - 130	3	30	
trans-1,3-Dichloropropene	50.0	55.7		ug/L	111	70 - 130	1	50	
1,2,3-Trichlorobenzene	50.0	51.6		ug/L	103	70 - 130	1	30	
1,1,1-Trichloroethane	50.0	52.2		ug/L	104	70 - 130	1	30	
1,1,2-Trichloroethane	50.0	51.7		ug/L	103	70 - 130	2	30	
Trichloroethylene	50.0	51.3		ug/L	103	70 - 130	0	30	
Trichlorofluoromethane	50.0	43.5		ug/L	87	55 - 156	5	30	
1,2,3-Trichloropropane	50.0	50.7		ug/L	101	70 - 130	1	30	
Vinyl acetate	100	156		ug/L	156	60 - 176	1	30	
Vinyl chloride	50.0	51.0		ug/L	102	67 - 134	4	30	
Xylenes, Total	150	156		ug/L	104	70 - 130	0	30	

Surrogate	LCSD	LCSD	Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	100		70 - 130
Dibromofluoromethane	101		70 - 130
Toluene-d8 (Surrogate)	102		70 - 130

Lab Sample ID: MB 680-201920/16

Client Sample ID: MB 680-201920/16

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 201920

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	25	U	25	5.0	ug/L			05/03/11 23:05	1
Acetonitrile	40	U	40	10	ug/L			05/03/11 23:05	1
Acrolein	20	U	20	7.4	ug/L			05/03/11 23:05	1
Acrylonitrile	20	U	20	7.2	ug/L			05/03/11 23:05	1
Allyl chloride	1.0	U	1.0	0.20	ug/L			05/03/11 23:05	1

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-201920/16

Matrix: Water

Analysis Batch: 201920

Client Sample ID: MB 680-201920/16

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.25	ug/L		05/03/11 23:05		1
Benzyl chloride	1.0	U	1.0	1.0	ug/L		05/03/11 23:05		1
Bromodichloromethane	1.0	U	1.0	0.25	ug/L		05/03/11 23:05		1
Bromoform	1.0	U	1.0	0.50	ug/L		05/03/11 23:05		1
Bromomethane	1.0	U	1.0	0.80	ug/L		05/03/11 23:05		1
2-Butanone	10	U	10	1.0	ug/L		05/03/11 23:05		1
Carbon disulfide	2.0	U	2.0	0.60	ug/L		05/03/11 23:05		1
Carbon tetrachloride	1.0	U	1.0	0.50	ug/L		05/03/11 23:05		1
Chlorobenzene	1.0	U	1.0	0.25	ug/L		05/03/11 23:05		1
Chloroethane	1.0	U	1.0	1.0	ug/L		05/03/11 23:05		1
Chloroform	1.0	U	1.0	0.14	ug/L		05/03/11 23:05		1
Chloromethane	1.0	U	1.0	0.33	ug/L		05/03/11 23:05		1
Chloroprene	1.0	U	1.0	0.30	ug/L		05/03/11 23:05		1
cis-1,2-Dichloroethene	1.0	U	1.0	0.15	ug/L		05/03/11 23:05		1
cis-1,3-Dichloropropene	1.0	U	1.0	0.11	ug/L		05/03/11 23:05		1
Dibromochloromethane	1.0	U	1.0	0.10	ug/L		05/03/11 23:05		1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.44	ug/L		05/03/11 23:05		1
1,2-Dibromoethane	1.0	U	1.0	0.25	ug/L		05/03/11 23:05		1
Dibromomethane	1.0	U	1.0	0.20	ug/L		05/03/11 23:05		1
Dichlorodifluoromethane	1.0	U	1.0	0.25	ug/L		05/03/11 23:05		1
1,1-Dichloroethane	1.0	U	1.0	0.25	ug/L		05/03/11 23:05		1
1,2-Dichloroethane	1.0	U	1.0	0.10	ug/L		05/03/11 23:05		1
1,1-Dichloroethene	1.0	U	1.0	0.11	ug/L		05/03/11 23:05		1
1,2-Dichloropropane	1.0	U	1.0	0.13	ug/L		05/03/11 23:05		1
Diethyl ether	10	U	10	1.0	ug/L		05/03/11 23:05		1
Ethylbenzene	1.0	U	1.0	0.11	ug/L		05/03/11 23:05		1
Ethylene oxide	200	U	200	200	ug/L		05/03/11 23:05		1
Ethyl methacrylate	1.0	U	1.0	0.25	ug/L		05/03/11 23:05		1
2-Hexanone	10	U	10	1.0	ug/L		05/03/11 23:05		1
Iodomethane	5.0	U	5.0	1.0	ug/L		05/03/11 23:05		1
Isobutyl alcohol	40	U	40	11	ug/L		05/03/11 23:05		1
Methacrylonitrile	20	U	20	3.3	ug/L		05/03/11 23:05		1
Methylene Chloride	5.0	U	5.0	1.0	ug/L		05/03/11 23:05		1
Methyl methacrylate	1.0	U	1.0	0.48	ug/L		05/03/11 23:05		1
4-Methyl-2-pentanone (MIBK)	10	U	10	1.0	ug/L		05/03/11 23:05		1
Methyl tert-butyl ether	10	U	10	0.20	ug/L		05/03/11 23:05		1
n-Heptane	1.0	U	1.0	0.42	ug/L		05/03/11 23:05		1
Pentachloroethane	5.0	U	5.0	1.2	ug/L		05/03/11 23:05		1
Propionitrile	20	U	20	4.6	ug/L		05/03/11 23:05		1
Propylene oxide	200	U	200	200	ug/L		05/03/11 23:05		1
Styrene	1.0	U	1.0	0.11	ug/L		05/03/11 23:05		1
t-Butanol	5.0	U	5.0	2.6	ug/L		05/03/11 23:05		1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.33	ug/L		05/03/11 23:05		1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L		05/03/11 23:05		1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L		05/03/11 23:05		1
Toluene	1.0	U	1.0	0.33	ug/L		05/03/11 23:05		1
trans-1,4-Dichloro-2-butene	2.0	U	2.0	0.50	ug/L		05/03/11 23:05		1
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	ug/L		05/03/11 23:05		1
trans-1,3-Dichloropropene	1.0	U	1.0	0.21	ug/L		05/03/11 23:05		1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.35	ug/L		05/03/11 23:05		1

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-201920/16

Matrix: Water

Analysis Batch: 201920

Client Sample ID: MB 680-201920/16

Prep Type: Total/NA

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	1.0	U	1.0	0.50	ug/L			05/03/11 23:05	1
1,1,2-Trichloroethane	1.0	U	1.0	0.13	ug/L			05/03/11 23:05	1
Trichloroethylene	1.0	U	1.0	0.13	ug/L			05/03/11 23:05	1
Trichlorofluoromethane	1.0	U	1.0	0.25	ug/L			05/03/11 23:05	1
1,2,3-Trichloropropane	1.0	U	1.0	0.41	ug/L			05/03/11 23:05	1
Vinyl acetate	2.0	U	2.0	0.28	ug/L			05/03/11 23:05	1
Vinyl chloride	1.0	U	1.0	0.18	ug/L			05/03/11 23:05	1
Xylenes, Total	2.0	U	2.0	0.20	ug/L			05/03/11 23:05	1
Tentatively Identified Compound	MB		Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Tentatively Identified Compound	None		ug/L					05/03/11 23:05	1
Surrogate	MB		Limits	Recovery	Qualifer	Prepared	Analyzed	Dil Fac	
	% Recovery	Qualifer							
4-Bromofluorobenzene	99		70 - 130					05/03/11 23:05	1
Dibromofluoromethane	105		70 - 130					05/03/11 23:05	1
Toluene-d8 (Sur)	102		70 - 130					05/03/11 23:05	1

Lab Sample ID: LCS 680-201920/14

Matrix: Water

Analysis Batch: 201920

Client Sample ID: LCS 680-201920/14

Prep Type: Total/NA

Analyte	Spike Added	LCS		Unit	D	% Rec	Limits
		Result	Qualifier				
Acetone	100	115		ug/L		115	26 - 180
Benzene	50.0	49.9		ug/L		100	70 - 130
Bromodichloromethane	50.0	51.2		ug/L		102	70 - 130
Bromoform	50.0	43.0		ug/L		86	70 - 130
Bromomethane	50.0	34.8		ug/L		70	23 - 165
2-Butanone	100	109		ug/L		109	49 - 172
Carbon disulfide	50.0	47.7		ug/L		95	54 - 132
Carbon tetrachloride	50.0	53.8		ug/L		108	70 - 130
Chlorobenzene	50.0	48.1		ug/L		96	70 - 130
Chloroethane	50.0	41.5		ug/L		83	56 - 152
Chloroform	50.0	49.7		ug/L		99	70 - 130
Chloromethane	50.0	43.6		ug/L		87	70 - 130
cis-1,2-Dichloroethene	50.0	49.8		ug/L		100	70 - 130
cis-1,3-Dichloropropene	50.0	53.2		ug/L		106	70 - 130
Dibromochloromethane	50.0	52.9		ug/L		106	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	48.1		ug/L		96	70 - 130
1,2-Dibromoethane	50.0	49.8		ug/L		100	70 - 130
Dibromomethane	50.0	51.5		ug/L		103	70 - 130
Dichlorodifluoromethane	50.0	42.5		ug/L		85	44 - 146
1,1-Dichloroethane	50.0	49.2		ug/L		98	70 - 130
1,2-Dichloroethane	50.0	49.9		ug/L		100	70 - 130
1,1-Dichloroethene	50.0	50.2		ug/L		100	66 - 131
1,2-Dichloropropane	50.0	50.8		ug/L		102	70 - 130
Diethyl ether	50.0	47.0		ug/L		94	10 - 200
Ethylbenzene	50.0	50.8		ug/L		102	70 - 130
2-Hexanone	100	118		ug/L		118	42 - 185
Methylene Chloride	50.0	49.8		ug/L		100	67 - 130

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-201920/14

Client Sample ID: LCS 680-201920/14

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 201920

Analyte	Spike Added	LCS			Unit	D	% Rec	% Rec. Limits
		Result	Qualifier	Limits				
4-Methyl-2-pentanone (MIBK)	100	106		ug/L		106	70 - 130	
Methyl tert-butyl ether	100	100		ug/L		100	64 - 131	
Styrene	50.0	51.5		ug/L		103	70 - 130	
t-Butanol	50.0	58.2		ug/L		116	20 - 195	
1,1,1,2-Tetrachloroethane	50.0	50.9		ug/L		102	70 - 130	
1,1,2,2-Tetrachloroethane	50.0	51.2		ug/L		102	70 - 130	
Tetrachloroethene	50.0	47.4		ug/L		95	70 - 130	
Toluene	50.0	51.0		ug/L		102	70 - 130	
trans-1,2-Dichloroethene	50.0	48.9		ug/L		98	70 - 130	
trans-1,3-Dichloropropene	50.0	54.3		ug/L		109	70 - 130	
1,2,3-Trichlorobenzene	50.0	49.5		ug/L		99	70 - 130	
1,1,1-Trichloroethane	50.0	51.3		ug/L		103	70 - 130	
1,1,2-Trichloroethane	50.0	50.1		ug/L		100	70 - 130	
Trichloroethylene	50.0	48.3		ug/L		97	70 - 130	
Trichlorofluoromethane	50.0	47.2		ug/L		94	55 - 156	
1,2,3-Trichloropropane	50.0	49.5		ug/L		99	70 - 130	
Vinyl acetate	100	140		ug/L		140	60 - 176	
Vinyl chloride	50.0	51.8		ug/L		104	67 - 134	
Xylenes, Total	150	152		ug/L		101	70 - 130	

LCS LCS

Surrogate	% Recovery	LCS	
		Qualifier	Limits
4-Bromofluorobenzene	100		70 - 130
Dibromofluoromethane	100		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: LCSD 680-201920/15

Client Sample ID: LCSD 680-201920/15

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 201920

Analyte	Spike Added	LCSD			Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
		Result	Qualifier	Limits						
Acetone	100	105		ug/L		105	26 - 180	9	50	
Benzene	50.0	50.8		ug/L		102	70 - 130	2	30	
Bromodichloromethane	50.0	52.2		ug/L		104	70 - 130	2	30	
Bromoform	50.0	42.8		ug/L		86	70 - 130	0	30	
Bromomethane	50.0	35.2		ug/L		70	23 - 165	1	50	
2-Butanone	100	94.2		ug/L		94	49 - 172	15	30	
Carbon disulfide	50.0	45.4		ug/L		91	54 - 132	5	30	
Carbon tetrachloride	50.0	52.7		ug/L		105	70 - 130	2	30	
Chlorobenzene	50.0	48.3		ug/L		97	70 - 130	0	30	
Chloroethane	50.0	43.0		ug/L		86	56 - 152	4	40	
Chloroform	50.0	49.9		ug/L		100	70 - 130	0	30	
Chloromethane	50.0	43.0		ug/L		86	70 - 130	1	30	
cis-1,2-Dichloroethene	50.0	49.5		ug/L		99	70 - 130	1	30	
cis-1,3-Dichloropropene	50.0	50.7		ug/L		101	70 - 130	5	30	
Dibromochloromethane	50.0	54.2		ug/L		108	70 - 130	2	50	
1,2-Dibromo-3-Chloropropane	50.0	46.8		ug/L		94	70 - 130	3	50	
1,2-Dibromoethane	50.0	49.5		ug/L		99	70 - 130	1	30	
Dibromomethane	50.0	51.7		ug/L		103	70 - 130	0	30	
Dichlorodifluoromethane	50.0	40.3		ug/L		81	44 - 146	5	50	

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-201920/15

Matrix: Water

Analysis Batch: 201920

Client Sample ID: LCSD 680-201920/15

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec. % Rec	Limits	RPD	RPD Limit
1,1-Dichloroethane	50.0	49.2		ug/L		98	70 - 130	0	30
1,2-Dichloroethane	50.0	50.3		ug/L		101	70 - 130	1	30
1,1-Dichloroethene	50.0	47.3		ug/L		95	66 - 131	6	30
1,2-Dichloropropane	50.0	49.9		ug/L		100	70 - 130	2	30
Diethyl ether	50.0	45.9		ug/L		92	10 - 200	2	50
Ethylbenzene	50.0	51.4		ug/L		103	70 - 130	1	30
2-Hexanone	100	107		ug/L		107	42 - 185	10	30
Methylene Chloride	50.0	48.5		ug/L		97	67 - 130	3	30
4-Methyl-2-pentanone (MIBK)	100	102		ug/L		102	70 - 130	3	30
Methyl tert-butyl ether	100	97.8		ug/L		98	64 - 131	2	30
Styrene	50.0	52.2		ug/L		104	70 - 130	1	30
t-Butanol	50.0	54.6		ug/L		109	20 - 195	6	50
1,1,1,2-Tetrachloroethane	50.0	51.7		ug/L		103	70 - 130	2	30
1,1,2,2-Tetrachloroethane	50.0	48.9		ug/L		98	70 - 130	5	30
Tetrachloroethene	50.0	47.9		ug/L		96	70 - 130	1	30
Toluene	50.0	51.0		ug/L		102	70 - 130	0	30
trans-1,2-Dichloroethene	50.0	48.9		ug/L		98	70 - 130	0	30
trans-1,3-Dichloropropene	50.0	50.9		ug/L		102	70 - 130	6	50
1,2,3-Trichlorobenzene	50.0	48.2		ug/L		96	70 - 130	3	30
1,1,1-Trichloroethane	50.0	50.6		ug/L		101	70 - 130	1	30
1,1,2-Trichloroethane	50.0	50.8		ug/L		102	70 - 130	1	30
Trichloroethylene	50.0	49.9		ug/L		100	70 - 130	3	30
Trichlorofluoromethane	50.0	47.1		ug/L		94	55 - 156	0	30
1,2,3-Trichloropropane	50.0	50.3		ug/L		101	70 - 130	2	30
Vinyl acetate	100	114		ug/L		114	60 - 176	20	30
Vinyl chloride	50.0	48.4		ug/L		97	67 - 134	7	30
Xylenes, Total	150	154		ug/L		103	70 - 130	1	30

Surrogate	LCSD	LCSD	Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	101		70 - 130
Dibromofluoromethane	99		70 - 130
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: MB 680-201921/9

Matrix: Water

Analysis Batch: 201921

Client Sample ID: MB 680-201921/9

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25	5.0	ug/L			05/03/11 12:02	1
Acetonitrile	40	U	40	10	ug/L			05/03/11 12:02	1
Acrolein	20	U	20	7.4	ug/L			05/03/11 12:02	1
Acrylonitrile	20	U	20	7.2	ug/L			05/03/11 12:02	1
Allyl chloride	1.0	U	1.0	0.20	ug/L			05/03/11 12:02	1
Benzene	1.0	U	1.0	0.25	ug/L			05/03/11 12:02	1
Benzyl chloride	1.0	U	1.0	1.0	ug/L			05/03/11 12:02	1
Bromodichloromethane	1.0	U	1.0	0.25	ug/L			05/03/11 12:02	1
Bromoform	1.0	U	1.0	0.50	ug/L			05/03/11 12:02	1
Bromomethane	1.0	U	1.0	0.80	ug/L			05/03/11 12:02	1
2-Butanone	10	U	10	1.0	ug/L			05/03/11 12:02	1

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-201921/9

Matrix: Water

Analysis Batch: 201921

Client Sample ID: MB 680-201921/9

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	2.0	U	2.0	0.60	ug/L			05/03/11 12:02	1
Carbon tetrachloride	1.0	U	1.0	0.50	ug/L			05/03/11 12:02	1
Chlorobenzene	1.0	U	1.0	0.25	ug/L			05/03/11 12:02	1
Chloroethane	1.0	U	1.0	1.0	ug/L			05/03/11 12:02	1
Chloroform	1.0	U	1.0	0.14	ug/L			05/03/11 12:02	1
Chloromethane	1.0	U	1.0	0.33	ug/L			05/03/11 12:02	1
Chloroprene	1.0	U	1.0	0.30	ug/L			05/03/11 12:02	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.15	ug/L			05/03/11 12:02	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.11	ug/L			05/03/11 12:02	1
Dibromochloromethane	1.0	U	1.0	0.10	ug/L			05/03/11 12:02	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.44	ug/L			05/03/11 12:02	1
1,2-Dibromoethane	1.0	U	1.0	0.25	ug/L			05/03/11 12:02	1
Dibromomethane	1.0	U	1.0	0.20	ug/L			05/03/11 12:02	1
Dichlorodifluoromethane	1.0	U	1.0	0.25	ug/L			05/03/11 12:02	1
1,1-Dichloroethane	1.0	U	1.0	0.25	ug/L			05/03/11 12:02	1
1,2-Dichloroethane	1.0	U	1.0	0.10	ug/L			05/03/11 12:02	1
1,1-Dichloroethene	1.0	U	1.0	0.11	ug/L			05/03/11 12:02	1
1,2-Dichloropropane	1.0	U	1.0	0.13	ug/L			05/03/11 12:02	1
Diethyl ether	10	U	10	1.0	ug/L			05/03/11 12:02	1
Ethylbenzene	1.0	U	1.0	0.11	ug/L			05/03/11 12:02	1
Ethylene oxide	200	U	200	200	ug/L			05/03/11 12:02	1
Ethyl methacrylate	1.0	U	1.0	0.25	ug/L			05/03/11 12:02	1
2-Hexanone	10	U	10	1.0	ug/L			05/03/11 12:02	1
Iodomethane	5.0	U	5.0	1.0	ug/L			05/03/11 12:02	1
Isobutyl alcohol	40	U	40	11	ug/L			05/03/11 12:02	1
Methacrylonitrile	20	U	20	3.3	ug/L			05/03/11 12:02	1
Methylene Chloride	5.0	U	5.0	1.0	ug/L			05/03/11 12:02	1
Methyl methacrylate	1.0	U	1.0	0.48	ug/L			05/03/11 12:02	1
4-Methyl-2-pentanone (MIBK)	10	U	10	1.0	ug/L			05/03/11 12:02	1
Methyl tert-butyl ether	10	U	10	0.20	ug/L			05/03/11 12:02	1
n-Heptane	1.0	U	1.0	0.42	ug/L			05/03/11 12:02	1
Pentachloroethane	5.0	U	5.0	1.2	ug/L			05/03/11 12:02	1
Propionitrile	20	U	20	4.6	ug/L			05/03/11 12:02	1
Propylene oxide	200	U	200	200	ug/L			05/03/11 12:02	1
Styrene	1.0	U	1.0	0.11	ug/L			05/03/11 12:02	1
t-Butanol	5.0	U	5.0	2.6	ug/L			05/03/11 12:02	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.33	ug/L			05/03/11 12:02	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			05/03/11 12:02	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/03/11 12:02	1
Toluene	1.0	U	1.0	0.33	ug/L			05/03/11 12:02	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0	0.50	ug/L			05/03/11 12:02	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	ug/L			05/03/11 12:02	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.21	ug/L			05/03/11 12:02	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.35	ug/L			05/03/11 12:02	1
1,1,1-Trichloroethane	1.0	U	1.0	0.50	ug/L			05/03/11 12:02	1
1,1,2-Trichloroethane	1.0	U	1.0	0.13	ug/L			05/03/11 12:02	1
Trichloroethylene	1.0	U	1.0	0.13	ug/L			05/03/11 12:02	1
Trichlorofluoromethane	1.0	U	1.0	0.25	ug/L			05/03/11 12:02	1
1,2,3-Trichloropropane	1.0	U	1.0	0.41	ug/L			05/03/11 12:02	1
Vinyl acetate	2.0	U	2.0	0.28	ug/L			05/03/11 12:02	1

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-201921/9

Matrix: Water

Analysis Batch: 201921

Client Sample ID: MB 680-201921/9

Prep Type: Total/NA

Analyte	MB		MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Est. Result	Qualifier							
Vinyl chloride	1.0	U			1.0	0.18	ug/L			05/03/11 12:02	1
Xylenes, Total	2.0	U			2.0	0.20	ug/L			05/03/11 12:02	1
Tentatively Identified Compound											
Tentatively Identified Compound	None				ug/L					05/03/11 12:02	1
Surrogate											
4-Bromofluorobenzene	96	Qualifer		Limits					Prepared	Analyzed	Dil Fac
Dibromofluoromethane	104			70 - 130						05/03/11 12:02	1
Toluene-d8 (Surr)	101			70 - 130						05/03/11 12:02	1

Lab Sample ID: LCS 680-201921/6

Matrix: Water

Analysis Batch: 201921

Client Sample ID: LCS 680-201921/6

Prep Type: Total/NA

Analyte	Spike		LCS		Unit	D	% Rec	% Rec.	
	Added	Result	Qualifier	Unit				Limits	
Acetone	100	103		ug/L			103	26 - 180	
Benzene	50.0	51.8		ug/L			104	70 - 130	
Bromodichloromethane	50.0	52.9		ug/L			106	70 - 130	
Bromform	50.0	44.4		ug/L			89	70 - 130	
Bromomethane	50.0	48.5		ug/L			97	23 - 165	
2-Butanone	100	98.6		ug/L			99	49 - 172	
Carbon disulfide	50.0	49.4		ug/L			99	54 - 132	
Carbon tetrachloride	50.0	54.0		ug/L			108	70 - 130	
Chlorobenzene	50.0	49.7		ug/L			99	70 - 130	
Chloroethane	50.0	44.8		ug/L			90	56 - 152	
Chloroform	50.0	52.7		ug/L			105	70 - 130	
Chloromethane	50.0	46.6		ug/L			93	70 - 130	
cis-1,2-Dichloroethene	50.0	53.3		ug/L			107	70 - 130	
cis-1,3-Dichloropropene	50.0	54.2		ug/L			108	70 - 130	
Dibromochloromethane	50.0	53.8		ug/L			108	70 - 130	
1,2-Dibromo-3-Chloropropane	50.0	51.8		ug/L			104	70 - 130	
1,2-Dibromoethane	50.0	52.1		ug/L			104	70 - 130	
Dibromomethane	50.0	51.1		ug/L			102	70 - 130	
Dichlorodifluoromethane	50.0	46.8		ug/L			94	44 - 146	
1,1-Dichloroethane	50.0	52.9		ug/L			106	70 - 130	
1,2-Dichloroethane	50.0	50.3		ug/L			101	70 - 130	
1,1-Dichloroethene	50.0	50.5		ug/L			101	66 - 131	
1,2-Dichloropropane	50.0	51.3		ug/L			103	70 - 130	
Diethyl ether	50.0	49.6		ug/L			99	10 - 200	
Ethylbenzene	50.0	51.5		ug/L			103	70 - 130	
2-Hexanone	100	102		ug/L			102	42 - 185	
Methylene Chloride	50.0	51.6		ug/L			103	67 - 130	
4-Methyl-2-pentanone (MIBK)	100	98.4		ug/L			98	70 - 130	
Methyl tert-butyl ether	100	105		ug/L			105	64 - 131	
Styrene	50.0	52.1		ug/L			104	70 - 130	
t-Butanol	50.0	55.4		ug/L			111	20 - 195	
1,1,1,2-Tetrachloroethane	50.0	53.2		ug/L			106	70 - 130	
1,1,2,2-Tetrachloroethane	50.0	49.8		ug/L			100	70 - 130	

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-201921/6

Matrix: Water

Analysis Batch: 201921

Client Sample ID: LCS 680-201921/6

Prep Type: Total/NA

Analyte	Spike Added	LCS		Unit	D	% Rec.		Limits
		Result	Qualifier			% Rec		
Tetrachloroethene	50.0	48.5		ug/L		97		70 - 130
Toluene	50.0	52.1		ug/L		104		70 - 130
trans-1,2-Dichloroethene	50.0	53.1		ug/L		106		70 - 130
trans-1,3-Dichloropropene	50.0	55.2		ug/L		110		70 - 130
1,2,3-Trichlorobenzene	50.0	49.7		ug/L		99		70 - 130
1,1,1-Trichloroethane	50.0	52.3		ug/L		105		70 - 130
1,1,2-Trichloroethane	50.0	51.3		ug/L		103		70 - 130
Trichloroethylene	50.0	51.0		ug/L		102		70 - 130
Trichlorofluoromethane	50.0	47.2		ug/L		94		55 - 156
1,2,3-Trichloropropane	50.0	49.6		ug/L		99		70 - 130
Vinyl acetate	100	159		ug/L		159		60 - 176
Vinyl chloride	50.0	53.8		ug/L		108		67 - 134
Xylenes, Total	150	154		ug/L		103		70 - 130

Surrogate	LCS		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	99		70 - 130
Dibromofluoromethane	106		70 - 130
Toluene-d8 (Surr)	103		70 - 130

Lab Sample ID: LCSD 680-201921/7

Matrix: Water

Analysis Batch: 201921

Client Sample ID: LCSD 680-201921/7

Prep Type: Total/NA

Analyte	Spike Added	LCSD		Unit	D	% Rec.		RPD	Limit
		Result	Qualifier			% Rec	Limits		
Acetone	100	89.5		ug/L		90	26 - 180	14	50
Benzene	50.0	51.6		ug/L		103	70 - 130	0	30
Bromodichloromethane	50.0	52.4		ug/L		105	70 - 130	1	30
Bromoform	50.0	44.2		ug/L		88	70 - 130	1	30
Bromomethane	50.0	48.5		ug/L		97	23 - 165	0	50
2-Butanone	100	94.8		ug/L		95	49 - 172	4	30
Carbon disulfide	50.0	46.9		ug/L		94	54 - 132	5	30
Carbon tetrachloride	50.0	53.9		ug/L		108	70 - 130	0	30
Chlorobenzene	50.0	48.4		ug/L		97	70 - 130	3	30
Chloroethane	50.0	41.6		ug/L		83	56 - 152	8	40
Chloroform	50.0	49.5		ug/L		99	70 - 130	6	30
Chloromethane	50.0	47.8		ug/L		96	70 - 130	3	30
cis-1,2-Dichloroethene	50.0	50.0		ug/L		100	70 - 130	6	30
cis-1,3-Dichloropropene	50.0	54.2		ug/L		108	70 - 130	0	30
Dibromochloromethane	50.0	53.4		ug/L		107	70 - 130	1	50
1,2-Dibromo-3-Chloropropane	50.0	51.4		ug/L		103	70 - 130	1	50
1,2-Dibromoethane	50.0	51.7		ug/L		103	70 - 130	1	30
Dibromomethane	50.0	50.0		ug/L		100	70 - 130	2	30
Dichlorodifluoromethane	50.0	49.7		ug/L		99	44 - 146	6	50
1,1-Dichloroethane	50.0	50.3		ug/L		101	70 - 130	5	30
1,2-Dichloroethane	50.0	49.3		ug/L		99	70 - 130	2	30
1,1-Dichloroethene	50.0	48.8		ug/L		98	66 - 131	3	30
1,2-Dichloropropane	50.0	50.4		ug/L		101	70 - 130	2	30
Diethyl ether	50.0	47.3		ug/L		95	10 - 200	5	50
Ethylbenzene	50.0	51.1		ug/L		102	70 - 130	1	30

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-201921/7

Client Sample ID: LCSD 680-201921/7

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 201921

Analyte	Spike Added	LCSD		Unit	D	% Rec	% Rec.		RPD	RPD Limit
		Result	Qualifier				Limits	RPL		
2-Hexanone	100	102		ug/L		102	42 - 185	0	30	
Methylene Chloride	50.0	47.0		ug/L		94	67 - 130	9	30	
4-Methyl-2-pentanone (MIBK)	100	99.2		ug/L		99	70 - 130	1	30	
Methyl tert-butyl ether	100	101		ug/L		101	64 - 131	4	30	
Styrene	50.0	52.1		ug/L		104	70 - 130	0	30	
t-Butanol	50.0	56.6		ug/L		113	20 - 195	2	50	
1,1,1,2-Tetrachloroethane	50.0	52.7		ug/L		105	70 - 130	1	30	
1,1,2,2-Tetrachloroethane	50.0	50.3		ug/L		101	70 - 130	1	30	
Tetrachloroethene	50.0	48.7		ug/L		97	70 - 130	0	30	
Toluene	50.0	51.6		ug/L		103	70 - 130	1	30	
trans-1,2-Dichloroethene	50.0	50.0		ug/L		100	70 - 130	6	30	
trans-1,3-Dichloropropene	50.0	54.8		ug/L		110	70 - 130	1	50	
1,2,3-Trichlorobenzene	50.0	48.9		ug/L		98	70 - 130	1	30	
1,1,1-Trichloroethane	50.0	52.7		ug/L		105	70 - 130	1	30	
1,1,2-Trichloroethane	50.0	50.2		ug/L		100	70 - 130	2	30	
Trichloroethylene	50.0	50.6		ug/L		101	70 - 130	1	30	
Trichlorofluoromethane	50.0	47.8		ug/L		96	55 - 156	1	30	
1,2,3-Trichloropropane	50.0	48.7		ug/L		97	70 - 130	2	30	
Vinyl acetate	100	159		ug/L		159	60 - 176	0	30	
Vinyl chloride	50.0	52.0		ug/L		104	67 - 134	3	30	
Xylenes, Total	150	153		ug/L		102	70 - 130	0	30	

Surrogate	LCSD		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	99		70 - 130
Dibromofluoromethane	99		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Lab Sample ID: MB 680-201675/18-A

Client Sample ID: MB 680-201675/18-A

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 202264

Prep Batch: 201675

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	0.20	U	0.20	0.10	ug/L		05/03/11 14:47	05/08/11 12:29	1
Acenaphthylene	0.20	U	0.20	0.10	ug/L		05/03/11 14:47	05/08/11 12:29	1
Acetophenone	0.195	J	1.0	0.10	ug/L		05/03/11 14:47	05/08/11 12:29	1
2-Acetylaminofluorene	1.0	U	1.0	0.10	ug/L		05/03/11 14:47	05/08/11 12:29	1
alpha,alpha-Dimethyl phenethylamine	10	U	10	3.4	ug/L		05/03/11 14:47	05/08/11 12:29	1
4-Aminobiphenyl	5.0	U	5.0	0.31	ug/L		05/03/11 14:47	05/08/11 12:29	1
Aniline	2.0	U	2.0	0.97	ug/L		05/03/11 14:47	05/08/11 12:29	1
Anthracene	0.20	U	0.20	0.10	ug/L		05/03/11 14:47	05/08/11 12:29	1
Aramite, Total	1.5	U	1.5	0.11	ug/L		05/03/11 14:47	05/08/11 12:29	1
Benz[a]anthracene	0.20	U	0.20	0.10	ug/L		05/03/11 14:47	05/08/11 12:29	1
Benz[a]pyrene	0.20	U	0.20	0.10	ug/L		05/03/11 14:47	05/08/11 12:29	1
Benz[b]fluoranthene	0.20	U	0.20	0.10	ug/L		05/03/11 14:47	05/08/11 12:29	1
Benz[g,h,i]perylene	0.20	U	0.20	0.10	ug/L		05/03/11 14:47	05/08/11 12:29	1
Benz[k]fluoranthene	0.20	U	0.20	0.10	ug/L		05/03/11 14:47	05/08/11 12:29	1
Benzyl alcohol	1.0	U	1.0	0.14	ug/L		05/03/11 14:47	05/08/11 12:29	1

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: MB 680-201675/18-A

Matrix: Water

Analysis Batch: 202264

Client Sample ID: MB 680-201675/18-A

Prep Type: Total/NA

Prep Batch: 201675

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.0	U	1.0	0.10	ug/L	05/03/11 14:47	05/08/11 12:29		1
Bis(2-chloroethoxy)methane	1.0	U	1.0	0.10	ug/L	05/03/11 14:47	05/08/11 12:29		1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.10	ug/L	05/03/11 14:47	05/08/11 12:29		1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.64	ug/L	05/03/11 14:47	05/08/11 12:29		1
4-Bromophenyl phenyl ether	1.0	U	1.0	0.12	ug/L	05/03/11 14:47	05/08/11 12:29		1
Butyl benzyl phthalate	1.0	U	1.0	0.12	ug/L	05/03/11 14:47	05/08/11 12:29		1
4-Chloroaniline	2.0	U	2.0	0.36	ug/L	05/03/11 14:47	05/08/11 12:29		1
4-Chloro-3-methylphenol	1.0	U	1.0	0.12	ug/L	05/03/11 14:47	05/08/11 12:29		1
2-Chloronaphthalene	1.0	U	1.0	0.10	ug/L	05/03/11 14:47	05/08/11 12:29		1
2-Chlorophenol	1.0	U	1.0	0.12	ug/L	05/03/11 14:47	05/08/11 12:29		1
4-Chlorophenyl phenyl ether	1.0	U	1.0	0.10	ug/L	05/03/11 14:47	05/08/11 12:29		1
Chrysene	0.20	U	0.20	0.045	ug/L	05/03/11 14:47	05/08/11 12:29		1
Diallile	1.0	U	1.0	0.10	ug/L	05/03/11 14:47	05/08/11 12:29		1
Dibenz(a,h)anthracene	0.20	U	0.20	0.10	ug/L	05/03/11 14:47	05/08/11 12:29		1
Dibenzofuran	1.0	U	1.0	0.10	ug/L	05/03/11 14:47	05/08/11 12:29		1
1,2-Dichlorobenzene	1.0	U	1.0	0.10	ug/L	05/03/11 14:47	05/08/11 12:29		1
1,3-Dichlorobenzene	1.0	U	1.0	0.10	ug/L	05/03/11 14:47	05/08/11 12:29		1
1,4-Dichlorobenzene	0.227	J	1.0	0.10	ug/L	05/03/11 14:47	05/08/11 12:29		1
3,3'-Dichlorobenzidine	20	U	20	2.0	ug/L	05/03/11 14:47	05/08/11 12:29		1
2,4-Dichlorophenol	1.0	U	1.0	0.10	ug/L	05/03/11 14:47	05/08/11 12:29		1
2,6-Dichlorophenol	1.0	U	1.0	0.10	ug/L	05/03/11 14:47	05/08/11 12:29		1
Diethyl phthalate	1.0	U	1.0	0.11	ug/L	05/03/11 14:47	05/08/11 12:29		1
Dimethoate	2.0	U	2.0	0.12	ug/L	05/03/11 14:47	05/08/11 12:29		1
7,12-Dimethylbenz(a)anthracene	1.0	U	1.0	0.20	ug/L	05/03/11 14:47	05/08/11 12:29		1
3,3'-Dimethylbenzidine	20	U	20	5.0	ug/L	05/03/11 14:47	05/08/11 12:29		1
2,4-Dimethylphenol	2.0	U	2.0	0.69	ug/L	05/03/11 14:47	05/08/11 12:29		1
Dimethyl phthalate	1.0	U	1.0	0.10	ug/L	05/03/11 14:47	05/08/11 12:29		1
Di-n-butyl phthalate	1.0	U	1.0	0.39	ug/L	05/03/11 14:47	05/08/11 12:29		1
4,6-Dinitro-2-methylphenol	5.0	U	5.0	0.13	ug/L	05/03/11 14:47	05/08/11 12:29		1
2,4-Dinitrophenol	10	U	10	1.1	ug/L	05/03/11 14:47	05/08/11 12:29		1
2,4-Dinitrotoluene	1.0	U	1.0	0.12	ug/L	05/03/11 14:47	05/08/11 12:29		1
2,6-Dinitrotoluene	1.0	U	1.0	0.13	ug/L	05/03/11 14:47	05/08/11 12:29		1
Di-n-octyl phthalate	1.0	U	1.0	0.17	ug/L	05/03/11 14:47	05/08/11 12:29		1
1,4-Dioxane	2.0	U	2.0	0.31	ug/L	05/03/11 14:47	05/08/11 12:29		1
Disulfoton	1.0	U	1.0	0.10	ug/L	05/03/11 14:47	05/08/11 12:29		1
Ethyl methanesulfonate	2.0	U	2.0	0.10	ug/L	05/03/11 14:47	05/08/11 12:29		1
Ethyl Parathion	2.0	U	2.0	0.10	ug/L	05/03/11 14:47	05/08/11 12:29		1
Famphur	1.0	U	1.0	0.16	ug/L	05/03/11 14:47	05/08/11 12:29		1
Fluoranthene	0.20	U	0.20	0.10	ug/L	05/03/11 14:47	05/08/11 12:29		1
Fluorene	0.20	U	0.20	0.10	ug/L	05/03/11 14:47	05/08/11 12:29		1
Hexachlorobenzene	1.0	U	1.0	0.10	ug/L	05/03/11 14:47	05/08/11 12:29		1
Hexachlorobutadiene	1.0	U	1.0	0.10	ug/L	05/03/11 14:47	05/08/11 12:29		1
Hexachlorocyclopentadiene	2.0	U	2.0	0.50	ug/L	05/03/11 14:47	05/08/11 12:29		1
Hexachloroethane	1.0	U	1.0	0.50	ug/L	05/03/11 14:47	05/08/11 12:29		1
Hexachlorophene	500	U	500	25	ug/L	05/03/11 14:47	05/08/11 12:29		1
Hexachloropropene	1.0	U	1.0	0.10	ug/L	05/03/11 14:47	05/08/11 12:29		1
Indeno[1,2,3-cd]pyrene	0.20	U	0.20	0.10	ug/L	05/03/11 14:47	05/08/11 12:29		1
Isophorone	1.0	U	1.0	0.10	ug/L	05/03/11 14:47	05/08/11 12:29		1
Iisosafrole	1.0	U	1.0	0.10	ug/L	05/03/11 14:47	05/08/11 12:29		1
m-Dinitrobenzene	1.0	U	1.0	0.10	ug/L	05/03/11 14:47	05/08/11 12:29		1

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: MB 680-201675/18-A

Matrix: Water

Analysis Batch: 202264

Client Sample ID: MB 680-201675/18-A

Prep Type: Total/NA

Prep Batch: 201675

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methapyrilene	200	U	200	1.3	ug/L		05/03/11 14:47	05/08/11 12:29	1
3-Methylcholanthrene	1.0	U	1.0	0.50	ug/L		05/03/11 14:47	05/08/11 12:29	1
Methyl methanesulfonate	2.0	U	2.0	0.10	ug/L		05/03/11 14:47	05/08/11 12:29	1
2-Methylnaphthalene	0.20	U	0.20	0.10	ug/L		05/03/11 14:47	05/08/11 12:29	1
Methyl parathion	1.0	U	1.0	0.13	ug/L		05/03/11 14:47	05/08/11 12:29	1
2-Methylphenol	2.0	U	2.0	0.74	ug/L		05/03/11 14:47	05/08/11 12:29	1
3 & 4 Methylphenol	2.0	U	2.0	0.66	ug/L		05/03/11 14:47	05/08/11 12:29	1
1-Naphthalenamine	5.0	U	5.0	1.3	ug/L		05/03/11 14:47	05/08/11 12:29	1
2-Naphthalenamine	5.0	U	5.0	1.3	ug/L		05/03/11 14:47	05/08/11 12:29	1
Naphthalene	0.20	U	0.20	0.10	ug/L		05/03/11 14:47	05/08/11 12:29	1
1,4-Naphthoquinone	1.0	U	1.0	0.50	ug/L		05/03/11 14:47	05/08/11 12:29	1
2-Nitroaniline	1.0	U	1.0	0.16	ug/L		05/03/11 14:47	05/08/11 12:29	1
3-Nitroaniline	5.0	U	5.0	0.16	ug/L		05/03/11 14:47	05/08/11 12:29	1
4-Nitroaniline	5.0	U	5.0	0.50	ug/L		05/03/11 14:47	05/08/11 12:29	1
Nitrobenzene	1.0	U	1.0	0.10	ug/L		05/03/11 14:47	05/08/11 12:29	1
5-Nitro-o-toluidine	1.0	U	1.0	0.10	ug/L		05/03/11 14:47	05/08/11 12:29	1
2-Nitrophenol	1.0	U	1.0	0.10	ug/L		05/03/11 14:47	05/08/11 12:29	1
4-Nitrophenol	5.0	U	5.0	0.50	ug/L		05/03/11 14:47	05/08/11 12:29	1
4-Nitroquinoline-1-oxide	2.0	U	2.0	1.1	ug/L		05/03/11 14:47	05/08/11 12:29	1
N-Nitrosodiethylamine	1.0	U	1.0	0.10	ug/L		05/03/11 14:47	05/08/11 12:29	1
N-Nitrosodimethylamine	1.0	U	1.0	0.25	ug/L		05/03/11 14:47	05/08/11 12:29	1
N-Nitrosodi-n-butylamine	1.0	U	1.0	0.10	ug/L		05/03/11 14:47	05/08/11 12:29	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.13	ug/L		05/03/11 14:47	05/08/11 12:29	1
N-Nitrosodiphenylamine	1.0	U	1.0	0.37	ug/L		05/03/11 14:47	05/08/11 12:29	1
N-Nitrosomethylethylamine	2.0	U	2.0	0.10	ug/L		05/03/11 14:47	05/08/11 12:29	1
N-Nitrosomorpholine	1.0	U	1.0	0.10	ug/L		05/03/11 14:47	05/08/11 12:29	1
N-Nitrosopiperidine	1.0	U	1.0	0.10	ug/L		05/03/11 14:47	05/08/11 12:29	1
N-Nitrosopyrrolidine	1.0	U	1.0	0.10	ug/L		05/03/11 14:47	05/08/11 12:29	1
o,o',o"-Triethylphosphorothioate	1.0	U	1.0	0.13	ug/L		05/03/11 14:47	05/08/11 12:29	1
o-Toluidine	1.0	U	1.0	0.13	ug/L		05/03/11 14:47	05/08/11 12:29	1
2,2'-oxybis[1-chloropropane]	1.0	U	1.0	0.10	ug/L		05/03/11 14:47	05/08/11 12:29	1
p-Dimethylamino azobenzene	5.0	U	5.0	0.15	ug/L		05/03/11 14:47	05/08/11 12:29	1
Pentachlorobenzene	1.0	U	1.0	0.10	ug/L		05/03/11 14:47	05/08/11 12:29	1
Pentachloronitrobenzene	1.0	U	1.0	0.50	ug/L		05/03/11 14:47	05/08/11 12:29	1
Pentachlorophenol	5.0	U	5.0	0.40	ug/L		05/03/11 14:47	05/08/11 12:29	1
Phenacetin	1.0	U	1.0	0.10	ug/L		05/03/11 14:47	05/08/11 12:29	1
Phenanthren	0.20	U	0.20	0.10	ug/L		05/03/11 14:47	05/08/11 12:29	1
Phenol	1.0	U	1.0	0.13	ug/L		05/03/11 14:47	05/08/11 12:29	1
Phenyl ether	1.0	U	1.0	0.10	ug/L		05/03/11 14:47	05/08/11 12:29	1
Phorate	1.0	U	1.0	0.20	ug/L		05/03/11 14:47	05/08/11 12:29	1
2-Picoline	2.0	U	2.0	0.15	ug/L		05/03/11 14:47	05/08/11 12:29	1
p-Phenylenediamine	200	U	200	16	ug/L		05/03/11 14:47	05/08/11 12:29	1
Pronamide	1.0	U	1.0	0.12	ug/L		05/03/11 14:47	05/08/11 12:29	1
Pyrene	0.20	U	0.20	0.10	ug/L		05/03/11 14:47	05/08/11 12:29	1
Pyridine	5.0	U	5.0	0.73	ug/L		05/03/11 14:47	05/08/11 12:29	1
Safrole, Total	1.0	U	1.0	0.10	ug/L		05/03/11 14:47	05/08/11 12:29	1
2-sec-Butyl-4,6-dinitrophenol	2.0	U	2.0	0.15	ug/L		05/03/11 14:47	05/08/11 12:29	1
Sulfotep	1.0	U	1.0	0.14	ug/L		05/03/11 14:47	05/08/11 12:29	1
1,2,4,5-Tetrachlorobenzene	1.0	U	1.0	0.10	ug/L		05/03/11 14:47	05/08/11 12:29	1
2,3,4,6-Tetrachlorophenol	1.0	U	1.0	0.10	ug/L		05/03/11 14:47	05/08/11 12:29	1

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: MB 680-201675/18-A

Matrix: Water

Analysis Batch: 202264

Client Sample ID: MB 680-201675/18-A

Prep Type: Total/NA

Prep Batch: 201675

Analyte	MB		MB		D	Prepared	Analyzed	Dil Fac
	Result	Qualifier	RL	MDL				
Thionazin	1.0	U	1.0	0.20	ug/L	05/03/11 14:47	05/08/11 12:29	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.10	ug/L	05/03/11 14:47	05/08/11 12:29	1
2,4,5-Trichlorophenol	1.0	U	1.0	0.12	ug/L	05/03/11 14:47	05/08/11 12:29	1
2,4,6-Trichlorophenol	1.0	U	1.0	0.17	ug/L	05/03/11 14:47	05/08/11 12:29	1
1,3,5-Trinitrobenzene	1.0	U	1.0	0.50	ug/L	05/03/11 14:47	05/08/11 12:29	1

Tentatively Identified Compound	MB		MB		D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier	Unit	Dil Fac						
Unknown Aldol Condensate	19.5	T A J	ug/L		4.02			05/03/11 14:47	05/08/11 12:29	1
Unknown	1.32	T J	ug/L		5.00			05/03/11 14:47	05/08/11 12:29	1
Unknown	6.12	T J	ug/L		5.08			05/03/11 14:47	05/08/11 12:29	1
Unknown	0.555	T J	ug/L		6.31			05/03/11 14:47	05/08/11 12:29	1
Unknown	2.50	T J	ug/L		8.69			05/03/11 14:47	05/08/11 12:29	1
Unknown	0.615	T J	ug/L		11.24			05/03/11 14:47	05/08/11 12:29	1
Oleic Acid	4.83	T J N	ug/L		12.19	112-80-1		05/03/11 14:47	05/08/11 12:29	1
Unknown	1.30	T J	ug/L		12.39			05/03/11 14:47	05/08/11 12:29	1
Unknown Organic Acid	3.18	T J	ug/L		14.03			05/03/11 14:47	05/08/11 12:29	1
Tricosane	0.588	T J N	ug/L		14.09	638-67-5		05/03/11 14:47	05/08/11 12:29	1

Surrogate	MB		MB		D	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier	Limits	Dil Fac				
2-Fluorobiphenyl	61		34 - 130			05/03/11 14:47	05/08/11 12:29	1
2-Fluorophenol	56		25 - 130			05/03/11 14:47	05/08/11 12:29	1
Nitrobenzene-d5	64		32 - 130			05/03/11 14:47	05/08/11 12:29	1
Phenol-d5	52		27 - 130			05/03/11 14:47	05/08/11 12:29	1
Terphenyl-d14	69		36 - 130			05/03/11 14:47	05/08/11 12:29	1
2,4,6-Tribromophenol	67		30 - 130			05/03/11 14:47	05/08/11 12:29	1

Lab Sample ID: LCS 680-201675/19-A

Matrix: Water

Analysis Batch: 202342

Client Sample ID: LCS 680-201675/19-A

Prep Type: Total/NA

Prep Batch: 201675

Analyte	Spike		LCS		D	% Rec	Limits	Dil Fac
	Added	Result	Qualifier	Unit				
Acenaphthene	2.00	1.38		ug/L		69	42 - 130	
Acenaphthylene	2.00	1.43		ug/L		71	45 - 130	
Acetophenone	10.0	6.26		ug/L		63	45 - 130	
Aniline	10.0	5.33		ug/L		53	10 - 130	
Anthracene	2.00	1.35		ug/L		68	58 - 130	
Benz[a]anthracene	2.00	1.40		ug/L		70	42 - 143	
Benz[a]pyrene	2.00	1.37		ug/L		68	45 - 151	
Benz[b]fluoranthene	2.00	1.46		ug/L		73	41 - 140	
Benz[g,h,i]perylene	2.00	1.28		ug/L		64	27 - 134	
Benz[k]fluoranthene	2.00	1.60		ug/L		80	45 - 140	
Benzyl alcohol	10.0	4.32		ug/L		43	34 - 130	
1,1'-Biphenyl	10.0	6.41		ug/L		64	50 - 130	
Bis(2-chloroethoxy)methane	10.0	6.66		ug/L		67	47 - 130	
Bis(2-chloroethyl)ether	10.0	6.36		ug/L		64	36 - 130	
Bis(2-ethylhexyl) phthalate	10.0	6.96		ug/L		70	10 - 158	
4-Bromophenyl phenyl ether	10.0	7.02		ug/L		70	44 - 130	
Butyl benzyl phthalate	10.0	7.92		ug/L		79	60 - 130	
4-Chloroaniline	10.0	5.65		ug/L		56	17 - 130	

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 680-201675/19-A

Matrix: Water

Analysis Batch: 202342

Client Sample ID: LCS 680-201675/19-A

Prep Type: Total/NA

Prep Batch: 201675

Analyte	Spike Added	LCS			Unit	D	% Rec	% Rec.	Limits
		Result	Qualifier	LCS					
4-Chloro-3-methylphenol	10.0	5.66			ug/L	57	54 - 130		
2-Chloronaphthalene	10.0	6.09			ug/L	61	48 - 130		
2-Chlorophenol	10.0	5.46			ug/L	55	45 - 130		
4-Chlorophenyl phenyl ether	10.0	6.62			ug/L	66	52 - 130		
Chrysene	2.00	1.41			ug/L	70	40 - 142		
Dibenz(a,h)anthracene	2.00	1.21			ug/L	61	38 - 130		
Dibenzofuran	10.0	6.60			ug/L	66	56 - 130		
1,2-Dichlorobenzene	10.0	5.37			ug/L	54	36 - 130		
1,3-Dichlorobenzene	10.0	5.29			ug/L	53	31 - 130		
1,4-Dichlorobenzene	10.0	5.71			ug/L	57	34 - 130		
3,3'-Dichlorobenzidine	10.0	7.13 J			ug/L	71	10 - 158		
2,4-Dichlorophenol	10.0	5.70 *			ug/L	57	58 - 130		
Diethyl phthalate	10.0	7.18			ug/L	72	60 - 130		
2,4-Dimethylphenol	10.0	3.81 *			ug/L	38	41 - 130		
Dimethyl phthalate	10.0	6.96			ug/L	70	58 - 130		
Di-n-butyl phthalate	10.0	7.01			ug/L	70	59 - 130		
4,6-Dinitro-2-methylphenol	10.0	5.65			ug/L	56	10 - 182		
2,4-Dinitrophenol	10.0	4.24 J			ug/L	42	10 - 200		
2,4-Dinitrotoluene	10.0	5.91			ug/L	59	57 - 130		
2,6-Dinitrotoluene	10.0	7.15			ug/L	71	53 - 130		
Di-n-octyl phthalate	10.0	6.78			ug/L	68	19 - 130		
1,4-Dioxane	10.0	3.66			ug/L	37	10 - 130		
Fluoranthene	2.00	1.38			ug/L	69	46 - 136		
Fluorene	2.00	1.35			ug/L	68	48 - 130		
Hexachlorobenzene	10.0	6.66			ug/L	67	49 - 130		
Hexachlorobutadiene	10.0	5.82			ug/L	58	36 - 130		
Hexachlorocyclopentadiene	10.0	7.01			ug/L	70	16 - 130		
Hexachloroethane	10.0	5.67			ug/L	57	32 - 130		
Indeno[1,2,3-cd]pyrene	2.00	1.07			ug/L	54	12 - 130		
Isophorone	10.0	5.77			ug/L	58	45 - 130		
2-Methylnaphthalene	2.00	1.29			ug/L	65	51 - 130		
2-Methylphenol	10.0	5.69			ug/L	57	49 - 130		
3 & 4 Methylphenol	10.0	5.38 *			ug/L	54	55 - 130		
Naphthalene	2.00	1.26			ug/L	63	35 - 130		
2-Nitroaniline	10.0	6.97			ug/L	70	48 - 130		
3-Nitroaniline	10.0	7.21			ug/L	72	18 - 147		
4-Nitroaniline	10.0	8.06			ug/L	81	31 - 147		
Nitrobenzene	10.0	5.99			ug/L	60	45 - 130		
2-Nitrophenol	10.0	6.41			ug/L	64	49 - 130		
4-Nitrophenol	10.0	4.56 J			ug/L	46	36 - 132		
N-Nitrosodimethylamine	10.0	6.43			ug/L	64	29 - 130		
N-Nitrosodi-n-propylamine	10.0	6.64			ug/L	66	42 - 130		
N-Nitrosodiphenylamine	10.0	7.00			ug/L	70	38 - 130		
2,2'-oxybis[1-chloropropane]	10.0	6.35			ug/L	63	39 - 130		
Pentachlorophenol	10.0	4.27 J			ug/L	43	12 - 156		
Phenanthrene	2.00	1.40			ug/L	70	45 - 134		
Phenol	10.0	5.06			ug/L	51	44 - 130		
Pyrene	2.00	1.51			ug/L	75	47 - 143		
Pyridine	10.0	4.21 J			ug/L	42	10 - 130		
1,2,4-Trichlorobenzene	10.0	5.45			ug/L	55	39 - 130		

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 680-201675/19-A

Matrix: Water

Analysis Batch: 202342

Client Sample ID: LCS 680-201675/19-A

Prep Type: Total/NA

Prep Batch: 201675

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
2,4,5-Trichlorophenol	10.0	6.32		ug/L		63	61 - 130
2,4,6-Trichlorophenol	10.0	6.22		ug/L		62	61 - 130

Surrogate	LCS		Limits
	% Recovery	Qualifier	
2-Fluorobiphenyl	66		34 - 130
2-Fluorophenol	61		25 - 130
Nitrobenzene-d5	64		32 - 130
Phenol-d5	54		27 - 130
Terphenyl-d14	70		36 - 130
2,4,6-Tribromophenol	72		30 - 130

Lab Sample ID: LCS 680-201675/22-A

Matrix: Water

Analysis Batch: 203354

Client Sample ID: LCS 680-201675/22-A

Prep Type: Total/NA

Prep Batch: 201675

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
2-Acetylaminofluorene	10.0	8.74		ug/L		87	10 - 130
alpha,alpha-Dimethyl phenethylamine	10.0	5.83	J	ug/L		58	10 - 130
4-Aminobiphenyl	10.0	4.88	J	ug/L		49	10 - 130
Aramite, Total	10.0	7.78		ug/L		78	10 - 130
Diallate	10.0	6.82		ug/L		68	10 - 130
2,6-Dichlorophenol	10.0	6.95		ug/L		70	10 - 130
Dimethoate	10.0	5.59		ug/L		56	10 - 130
7,12-Dimethylbenz(a)anthracene	10.0	5.88		ug/L		59	10 - 130
3,3'-Dimethylbenzidine	10.0	28.6	*	ug/L		286	10 - 130
Disulfoton	10.0	5.99		ug/L		60	10 - 130
Ethyl methanesulfonate	10.0	7.85		ug/L		79	10 - 130
Ethyl Parathion	10.0	7.76		ug/L		78	10 - 130
Famphur	10.0	1.45		ug/L		14	10 - 130
Hexachlorophene	50.0	500	U *	ug/L		6	10 - 130
Hexachloropropene	10.0	2.59		ug/L		26	10 - 130
Isosafrole	10.0	6.57		ug/L		66	10 - 130
m-Dinitrobenzene	10.0	6.70		ug/L		67	10 - 130
Methapyrilene	50.0	27.1	J	ug/L		54	10 - 130
3-Methylcholanthrene	10.0	6.47		ug/L		65	10 - 130
Methyl methanesulfonate	10.0	4.13		ug/L		41	10 - 130
Methyl parathion	10.0	6.19		ug/L		62	10 - 130
1-Naphthalenamine	10.0	5.41		ug/L		54	10 - 130
2-Naphthalenamine	10.0	5.44		ug/L		54	10 - 130
1,4-Naphthoquinone	10.0	2.08		ug/L		21	10 - 130
5-Nitro-o-toluidine	10.0	7.59		ug/L		76	10 - 130
4-Nitroquinoline-1-oxide	10.0	5.87		ug/L		59	10 - 130
N-Nitrosodiethylamine	10.0	6.44		ug/L		64	10 - 130
N-Nitrosodi-n-butylamine	10.0	6.82		ug/L		68	10 - 130
N-Nitrosomethylalkylamine	10.0	6.54		ug/L		65	10 - 130
N-Nitrosomorpholine	10.0	7.08		ug/L		71	10 - 130
N-Nitrosopiperidine	10.0	6.86		ug/L		69	10 - 130
N-Nitrosopyrrolidine	10.0	6.89		ug/L		69	10 - 130
o,o",o"-Triethylphosphorothioate	10.0	5.91		ug/L		59	10 - 130

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 680-201675/22-A

Matrix: Water

Analysis Batch: 203354

Client Sample ID: LCS 680-201675/22-A

Prep Type: Total/NA

Prep Batch: 201675

Analyte	Spike	LCS	LCS	Unit	D	% Rec	% Rec.	Limits
	Added	Result	Qualifier				ug/L	
o-Toluidine	10.0	5.28		ug/L		53	10 - 130	
p-Dimethylamino azobenzene	10.0	8.01		ug/L		80	10 - 130	
Pentachlorobenzene	10.0	5.91		ug/L		59	10 - 130	
Pentachloronitrobenzene	10.0	7.08		ug/L		71	10 - 130	
Phenacetin	10.0	7.31		ug/L		73	10 - 130	
Phorate	10.0	6.49		ug/L		65	10 - 130	
2-Picoline	10.0	5.42		ug/L		54	10 - 130	
p-Phenylenediamine	10.0	200 U		ug/L		71	10 - 130	
Pronamide	10.0	7.47		ug/L		75	10 - 130	
Safrole, Total	10.0	5.99		ug/L		60	10 - 130	
2-sec-Butyl-4,6-dinitrophenol	10.0	10.8		ug/L		108	10 - 130	
Sulfotep	10.0	6.51		ug/L		65	10 - 130	
1,2,4,5-Tetrachlorobenzene	10.0	4.87		ug/L		49	10 - 130	
2,3,4,6-Tetrachlorophenol	10.0	7.25		ug/L		73	10 - 130	
Thionazin	10.0	7.79		ug/L		78	10 - 130	
1,3,5-Trinitrobenzene	10.0	7.37		ug/L		74	10 - 130	

Surrogate	LCS	LCS	Limits
	% Recovery	Qualifier	
2-Fluorobiphenyl	58		34 - 130
2-Fluorophenol	54		25 - 130
Nitrobenzene-d5	57		32 - 130
Phenol-d5	55		27 - 130
Terphenyl-d14	66		36 - 130
2,4,6-Tribromophenol	75		30 - 130

Method: 8015B - Nonhalogenated Organic Compounds - Direct Injection (GC)

Lab Sample ID: MB 680-201557/22

Matrix: Water

Analysis Batch: 201557

Client Sample ID: MB 680-201557/22

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Ethanol	1000	U	1000	330	ug/L			04/29/11 16:24	1
Isopropanol	1000	U	1000	300	ug/L			04/29/11 16:24	1
Methanol	1000	U	1000	830	ug/L			04/29/11 16:24	1

Lab Sample ID: LCS 680-201557/20

Matrix: Water

Analysis Batch: 201557

Client Sample ID: LCS 680-201557/20

Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	% Rec	% Rec.	Limits
	Added	Result	Qualifier				ug/L	
Ethanol	20000	19800		ug/L		99	38 - 156	
Isopropanol	20000	20300		ug/L		102	70 - 130	
Methanol	20000	15500		ug/L		77	43 - 143	

QC Sample Results

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Method: 8015B - Nonhalogenated Organic Compounds - Direct Injection (GC) (Continued)

Lab Sample ID: LCSD 680-201557/21

Matrix: Water

Analysis Batch: 201557

Client Sample ID: LCSD 680-201557/21

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec.	Limits	RPD	RPD Limit
Ethanol	20000	19700		ug/L		98	38 - 156	0	50
Isopropanol	20000	20200		ug/L		101	70 - 130	1	50
Methanol	20000	15400		ug/L		77	43 - 143	0	50

Lab Sample ID: MB 680-204798/12

Matrix: Water

Analysis Batch: 204798

Client Sample ID: MB 680-204798/12

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Allyl alcohol	1000	U	1000	220	ug/L			04/29/11 16:48	1

Lab Sample ID: LCS 680-204798/2

Matrix: Water

Analysis Batch: 204798

Client Sample ID: LCS 680-204798/2

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec.	Limits
Allyl alcohol	20000	19600		ug/L		98	70 - 130

Lab Sample ID: LCSD 680-204798/3

Matrix: Water

Analysis Batch: 204798

Client Sample ID: LCSD 680-204798/3

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec.	Limits	RPD	RPD Limit
Allyl alcohol	20000	20000		ug/L		100	70 - 130	2	50

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 680-201734/1-A

Matrix: Water

Analysis Batch: 201938

Client Sample ID: MB 680-201734/1-A

Prep Type: Total/NA

Prep Batch: 201734

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	100	U	100	50	ug/L		05/03/11 12:19	05/04/11 13:23	1
Antimony	5.0	U	5.0	2.0	ug/L		05/03/11 12:19	05/04/11 13:23	1
Arsenic	2.5	U	2.5	1.3	ug/L		05/03/11 12:19	05/04/11 13:23	1
Barium	5.0	U	5.0	1.4	ug/L		05/03/11 12:19	05/04/11 13:23	1
Beryllium	0.50	U	0.50	0.15	ug/L		05/03/11 12:19	05/04/11 13:23	1
Cadmium	0.50	U	0.50	0.13	ug/L		05/03/11 12:19	05/04/11 13:23	1
Calcium	500	U	500	170	ug/L		05/03/11 12:19	05/04/11 13:23	1
Chromium	5.0	U	5.0	2.5	ug/L		05/03/11 12:19	05/04/11 13:23	1
Cobalt	0.50	U	0.50	0.12	ug/L		05/03/11 12:19	05/04/11 13:23	1
Copper	5.0	U	5.0	1.1	ug/L		05/03/11 12:19	05/04/11 13:23	1
Iron	59.5	J	100	44	ug/L		05/03/11 12:19	05/04/11 13:23	1
Lead	1.5	U	1.5	0.50	ug/L		05/03/11 12:19	05/04/11 13:23	1
Manganese	5.0	U	5.0	2.0	ug/L		05/03/11 12:19	05/04/11 13:23	1
Nickel	5.0	U	5.0	2.0	ug/L		05/03/11 12:19	05/04/11 13:23	1
Potassium	1000	U	1000	330	ug/L		05/03/11 12:19	05/04/11 13:23	1
Selenium	2.5	U	2.5	1.1	ug/L		05/03/11 12:19	05/04/11 13:23	1
Silver	1.0	U	1.0	0.18	ug/L		05/03/11 12:19	05/04/11 13:23	1
Sodium	500	U	500	170	ug/L		05/03/11 12:19	05/04/11 13:23	1

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-67790-1

Project/Site: Aqualon Hopewell - GW CA APR 2011

SDG: HAQ034

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-201734/1-A

Matrix: Water

Analysis Batch: 201938

Client Sample ID: MB 680-201734/1-A

Prep Type: Total/NA

Prep Batch: 201734

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier									
Thallium	1.0	U	1.0		1.0	0.25	ug/L		05/03/11 12:19	05/04/11 13:23	1
Vanadium	10	U			10	3.2	ug/L		05/03/11 12:19	05/04/11 13:23	1

Lab Sample ID: MB 680-201734/1-A

Matrix: Water

Analysis Batch: 201977

Client Sample ID: MB 680-201734/1-A

Prep Type: Total/NA

Prep Batch: 201734

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier									
Magnesium	250	U	250		250	100	ug/L		05/03/11 12:19	05/04/11 15:36	1
Mercury	0.80	U			0.80	0.40	ug/L		05/03/11 12:19	05/04/11 15:36	1
Zinc	10.9	J			20	8.4	ug/L		05/03/11 12:19	05/04/11 15:36	1

Lab Sample ID: LCS 680-201734/2-A

Matrix: Water

Analysis Batch: 201938

Client Sample ID: LCS 680-201734/2-A

Prep Type: Total/NA

Prep Batch: 201734

Analyte	Spike	LCS	LCS	Result	Qualifier	Unit	D	% Rec	Limits	% Rec.
	Added	Result	Qualifier							
Aluminum		5000		5060		ug/L		101	75 - 125	
Antimony		50.0		56.7		ug/L		113	75 - 125	
Arsenic		100		99.4		ug/L		99	75 - 125	
Barium		100		99.4		ug/L		99	75 - 125	
Beryllium		50.0		50.0		ug/L		100	75 - 125	
Cadmium		50.0		52.3		ug/L		105	75 - 125	
Calcium		5000		5110		ug/L		102	75 - 125	
Chromium		100		101		ug/L		101	75 - 125	
Cobalt		50.0		51.8		ug/L		104	75 - 125	
Copper		100		105		ug/L		105	75 - 125	
Iron		5000		5490		ug/L		110	75 - 125	
Lead		50.0		52.3		ug/L		105	75 - 125	
Manganese		500		505		ug/L		101	75 - 125	
Nickel		100		106		ug/L		106	75 - 125	
Potassium		5000		5340		ug/L		107	75 - 125	
Selenium		100		99.9		ug/L		100	75 - 125	
Silver		50.0		54.2		ug/L		108	75 - 125	
Sodium		5000		5490		ug/L		110	75 - 125	
Thallium		40.0		41.5		ug/L		104	75 - 125	
Vanadium		100		102		ug/L		102	75 - 125	

Lab Sample ID: LCS 680-201734/2-A

Matrix: Water

Analysis Batch: 201977

Client Sample ID: LCS 680-201734/2-A

Prep Type: Total/NA

Prep Batch: 201734

Analyte	Spike	LCS	LCS	Result	Qualifier	Unit	D	% Rec	Limits	% Rec.
	Added	Result	Qualifier							
Magnesium		5000		5300		ug/L		106	75 - 125	
Mercury		5.00		4.61		ug/L		92	75 - 125	
Zinc		100		120		ug/L		120	75 - 125	

QC Sample Results

Client: Ashland Inc.
Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1
SDG: HAQ034

Method: 325.2 - Chloride

Lab Sample ID: MB 680-202657/6

Matrix: Water

Analysis Batch: 202657

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	1000	U	1000	180	ug/L			05/11/11 15:04	1

Lab Sample ID: LCS 680-202657/2

Matrix: Water

Analysis Batch: 202657

Analyte	Spike		LCS Result	LCS Qualifier	Unit	D	% Rec.	Limits
	Added							
Chloride		50000	50800		ug/L	102	85 - 115	

Lab Sample ID: 680-67790-7 DU

Matrix: Water

Analysis Batch: 202657

Analyte	Sample		DU		Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Chloride	3600		3590		ug/L		0.01	30

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 680-202674/1-A

Matrix: Water

Analysis Batch: 202820

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Nitrogen, Kjeldahl	200	U	200	150	ug/L		05/11/11 19:55	05/12/11 15:39	1

Lab Sample ID: LCS 680-202674/2-A

Matrix: Water

Analysis Batch: 202820

Analyte	Spike		LCS Result	LCS Qualifier	Unit	D	% Rec.	Limits
	Added							
Nitrogen, Kjeldahl		1000	963		ug/L	96	75 - 125	

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 680-201549/14

Matrix: Water

Analysis Batch: 201549

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Nitrate as N	50	U	50	10	ug/L			04/28/11 16:30	1
Nitrate Nitrite as N	50	U	50	10	ug/L			04/28/11 16:30	1
Nitrite as N	50	U	50	10	ug/L			04/28/11 16:30	1

Lab Sample ID: LCS 680-201549/15

Matrix: Water

Analysis Batch: 201549

Analyte	Spike		LCS Result	LCS Qualifier	Unit	D	% Rec.	Limits
	Added							
Nitrate as N		500	492		ug/L	98	98	90 - 110
Nitrate Nitrite as N		1000	976		ug/L	98	90 - 110	

QC Sample Results

Client: Ashland Inc.
Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1
SDG: HAQ034

Method: 353.2 - Nitrogen, Nitrate-Nitrite (Continued)

Lab Sample ID: LCS 680-201549/15

Matrix: Water

Analysis Batch: 201549

Client Sample ID: LCS 680-201549/15

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit ug/L	D	% Rec.	% Rec. Limits
Nitrite as N	500	484			97	90 - 110	

Method: 375.4 - Sulfate

Lab Sample ID: MB 680-202581/1

Matrix: Water

Analysis Batch: 202581

Client Sample ID: MB 680-202581/1

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit ug/L	D	Prepared	Analyzed	Dil Fac
Sulfate	5000	U	5000	2500				05/11/11 12:05	1

Lab Sample ID: LCS 680-202581/2

Matrix: Water

Analysis Batch: 202581

Client Sample ID: LCS 680-202581/2

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit ug/L	D	% Rec.	% Rec. Limits
Sulfate	20000	18800			94	75 - 125	

Method: 9060 - Organic Carbon, Total (TOC)

Lab Sample ID: MB 680-202912/12

Matrix: Water

Analysis Batch: 202912

Client Sample ID: MB 680-202912/12

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit ug/L	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1000	U	1000	500				05/13/11 09:35	1

Lab Sample ID: LCS 680-202912/13

Matrix: Water

Analysis Batch: 202912

Client Sample ID: LCS 680-202912/13

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit ug/L	D	% Rec.	% Rec. Limits
Total Organic Carbon	20000	21200			106	80 - 120	

QC Association Summary

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

GC/MS VOA

Analysis Batch: 201744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-201744/4	LCS 680-201744/4	Total/NA	Water	8260B	
680-67790-14	Trip Blank 1	Total/NA	Water	8260B	
680-67790-7	MW-8D	Total/NA	Water	8260B	
680-67790-9	MW-6	Total/NA	Water	8260B	
680-67790-11	SDB-MW-1	Total/NA	Water	8260B	
680-67790-12	SDB-MW-2	Total/NA	Water	8260B	
680-67790-13	SDB-MW-3	Total/NA	Water	8260B	
LCSD 680-201744/14	LCSD 680-201744/14	Total/NA	Water	8260B	
MB 680-201744/17	MB 680-201744/17	Total/NA	Water	8260B	
680-67790-8 - DL	MW-8U	Total/NA	Water	8260B	

Analysis Batch: 201920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-67790-8	MW-8U	Total/NA	Water	8260B	
LCS 680-201920/14	LCS 680-201920/14	Total/NA	Water	8260B	
LCSD 680-201920/15	LCSD 680-201920/15	Total/NA	Water	8260B	
MB 680-201920/16	MB 680-201920/16	Total/NA	Water	8260B	

Analysis Batch: 201921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-201921/6	LCS 680-201921/6	Total/NA	Water	8260B	
LCSD 680-201921/7	LCSD 680-201921/7	Total/NA	Water	8260B	
MB 680-201921/9	MB 680-201921/9	Total/NA	Water	8260B	
680-67790-10	MW-3	Total/NA	Water	8260B	
680-67790-13 - DL	SDB-MW-3	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 201675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-67790-7	MW-8D	Total/NA	Water	3520C	
680-67790-8	MW-8U	Total/NA	Water	3520C	
680-67790-9	MW-6	Total/NA	Water	3520C	
680-67790-10	MW-3	Total/NA	Water	3520C	
MB 680-201675/18-A	MB 680-201675/18-A	Total/NA	Water	3520C	
LCS 680-201675/19-A	LCS 680-201675/19-A	Total/NA	Water	3520C	
LCS 680-201675/22-A	LCS 680-201675/22-A	Total/NA	Water	3520C	

Analysis Batch: 202264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-201675/18-A	MB 680-201675/18-A	Total/NA	Water	8270C LL	201675

Analysis Batch: 202342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-67790-7	MW-8D	Total/NA	Water	8270C LL	201675
680-67790-8	MW-8U	Total/NA	Water	8270C LL	201675
680-67790-9	MW-6	Total/NA	Water	8270C LL	201675
680-67790-10	MW-3	Total/NA	Water	8270C LL	201675
LCS 680-201675/19-A	LCS 680-201675/19-A	Total/NA	Water	8270C LL	201675

QC Association Summary

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

GC/MS Semi VOA (Continued)

Analysis Batch: 203354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-201675/22-A	LCS 680-201675/22-A	Total/NA	Water	8270C LL	201675

GC VOA

Analysis Batch: 201557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-67790-7	MW-8D	Total/NA	Water	8015B	7
680-67790-8	MW-8U	Total/NA	Water	8015B	8
680-67790-9	MW-6	Total/NA	Water	8015B	9
680-67790-10	MW-3	Total/NA	Water	8015B	10
680-67790-11	SDB-MW-1	Total/NA	Water	8015B	11
680-67790-12	SDB-MW-2	Total/NA	Water	8015B	12
680-67790-13	SDB-MW-3	Total/NA	Water	8015B	13
LCS 680-201557/20	LCS 680-201557/20	Total/NA	Water	8015B	14
LCSD 680-201557/21	LCSD 680-201557/21	Total/NA	Water	8015B	
MB 680-201557/22	MB 680-201557/22	Total/NA	Water	8015B	

Analysis Batch: 204798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-204798/2	LCS 680-204798/2	Total/NA	Water	8015B	13
LCSD 680-204798/3	LCSD 680-204798/3	Total/NA	Water	8015B	14
680-67790-7	MW-8D	Total/NA	Water	8015B	
680-67790-8	MW-8U	Total/NA	Water	8015B	
680-67790-9	MW-6	Total/NA	Water	8015B	
680-67790-10	MW-3	Total/NA	Water	8015B	
680-67790-11	SDB-MW-1	Total/NA	Water	8015B	
680-67790-12	SDB-MW-2	Total/NA	Water	8015B	
680-67790-13	SDB-MW-3	Total/NA	Water	8015B	
MB 680-204798/12	MB 680-204798/12	Total/NA	Water	8015B	

Metals

Prep Batch: 201734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-201734/1-A	MB 680-201734/1-A	Total/NA	Water	3010A	
MB 680-201734/1-A	MB 680-201734/1-A	Total/NA	Water	3010A	
LCS 680-201734/2-A	LCS 680-201734/2-A	Total/NA	Water	3010A	
LCS 680-201734/2-A	LCS 680-201734/2-A	Total/NA	Water	3010A	
680-67790-7	MW-8D	Total/NA	Water	3010A	
680-67790-7	MW-8D	Total/NA	Water	3010A	
680-67790-8	MW-8U	Total/NA	Water	3010A	
680-67790-8	MW-8U	Total/NA	Water	3010A	
680-67790-8	MW-8U	Total/NA	Water	3010A	
680-67790-9	MW-6	Total/NA	Water	3010A	
680-67790-9	MW-6	Total/NA	Water	3010A	
680-67790-9	MW-6	Total/NA	Water	3010A	
680-67790-10	MW-3	Total/NA	Water	3010A	
680-67790-10	MW-3	Total/NA	Water	3010A	
680-67790-11	SDB-MW-1	Total/NA	Water	3010A	
680-67790-11	SDB-MW-1	Total/NA	Water	3010A	
680-67790-12	SDB-MW-2	Total/NA	Water	3010A	
680-67790-12	SDB-MW-2	Total/NA	Water	3010A	

QC Association Summary

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Metals (Continued)

Prep Batch: 201734 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-67790-12	SDB-MW-2	Total/NA	Water	3010A	
680-67790-13	SDB-MW-3	Total/NA	Water	3010A	
680-67790-13	SDB-MW-3	Total/NA	Water	3010A	

Analysis Batch: 201938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-201734/1-A	MB 680-201734/1-A	Total/NA	Water	6020	201734
LCS 680-201734/2-A	LCS 680-201734/2-A	Total/NA	Water	6020	201734
680-67790-7	MW-8D	Total/NA	Water	6020	201734
680-67790-8	MW-8U	Total/NA	Water	6020	201734
680-67790-9	MW-6	Total/NA	Water	6020	201734
680-67790-10	MW-3	Total/NA	Water	6020	201734
680-67790-11	SDB-MW-1	Total/NA	Water	6020	201734
680-67790-12	SDB-MW-2	Total/NA	Water	6020	201734
680-67790-13	SDB-MW-3	Total/NA	Water	6020	201734

Analysis Batch: 201977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-201734/1-A	MB 680-201734/1-A	Total/NA	Water	6020	201734
LCS 680-201734/2-A	LCS 680-201734/2-A	Total/NA	Water	6020	201734
680-67790-7	MW-8D	Total/NA	Water	6020	201734
680-67790-8	MW-8U	Total/NA	Water	6020	201734
680-67790-9	MW-6	Total/NA	Water	6020	201734
680-67790-10	MW-3	Total/NA	Water	6020	201734
680-67790-11	SDB-MW-1	Total/NA	Water	6020	201734
680-67790-12	SDB-MW-2	Total/NA	Water	6020	201734
680-67790-13	SDB-MW-3	Total/NA	Water	6020	201734

Analysis Batch: 202082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-67790-8	MW-8U	Total/NA	Water	6020	201734
680-67790-9	MW-6	Total/NA	Water	6020	201734

Analysis Batch: 203262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-67790-12	SDB-MW-2	Total/NA	Water	6020	201734

General Chemistry

Analysis Batch: 201549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-201549/14	MB 680-201549/14	Total/NA	Water	353.2	
LCS 680-201549/15	LCS 680-201549/15	Total/NA	Water	353.2	
680-67790-7	MW-8D	Total/NA	Water	353.2	
680-67790-8	MW-8U	Total/NA	Water	353.2	
680-67790-9	MW-6	Total/NA	Water	353.2	
680-67790-10	MW-3	Total/NA	Water	353.2	
680-67790-11	SDB-MW-1	Total/NA	Water	353.2	
680-67790-12	SDB-MW-2	Total/NA	Water	353.2	
680-67790-13	SDB-MW-3	Total/NA	Water	353.2	

QC Association Summary

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

General Chemistry (Continued)

Analysis Batch: 202581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-202581/1	MB 680-202581/1	Total/NA	Water	375.4	
LCS 680-202581/2	LCS 680-202581/2	Total/NA	Water	375.4	
680-67790-7	MW-8D	Total/NA	Water	375.4	
680-67790-11	SDB-MW-1	Total/NA	Water	375.4	
680-67790-9	MW-6	Total/NA	Water	375.4	
680-67790-10	MW-3	Total/NA	Water	375.4	
680-67790-8	MW-8U	Total/NA	Water	375.4	
680-67790-12	SDB-MW-2	Total/NA	Water	375.4	
680-67790-13	SDB-MW-3	Total/NA	Water	375.4	

Analysis Batch: 202657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-202657/2	LCS 680-202657/2	Total/NA	Water	325.2	
680-67790-11	SDB-MW-1	Total/NA	Water	325.2	
MB 680-202657/6	MB 680-202657/6	Total/NA	Water	325.2	
680-67790-7	MW-8D	Total/NA	Water	325.2	
680-67790-7 DU	MW-8D	Total/NA	Water	325.2	
680-67790-8	MW-8U	Total/NA	Water	325.2	
680-67790-13	SDB-MW-3	Total/NA	Water	325.2	
680-67790-10	MW-3	Total/NA	Water	325.2	
680-67790-12	SDB-MW-2	Total/NA	Water	325.2	
680-67790-9	MW-6	Total/NA	Water	325.2	

Prep Batch: 202674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-202674/1-A	MB 680-202674/1-A	Total/NA	Water	351.2	
LCS 680-202674/2-A	LCS 680-202674/2-A	Total/NA	Water	351.2	
680-67790-7	MW-8D	Total/NA	Water	351.2	
680-67790-8	MW-8U	Total/NA	Water	351.2	
680-67790-9	MW-6	Total/NA	Water	351.2	
680-67790-10	MW-3	Total/NA	Water	351.2	
680-67790-11	SDB-MW-1	Total/NA	Water	351.2	
680-67790-12	SDB-MW-2	Total/NA	Water	351.2	
680-67790-13	SDB-MW-3	Total/NA	Water	351.2	

Analysis Batch: 202820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-202674/1-A	MB 680-202674/1-A	Total/NA	Water	351.2	202674
LCS 680-202674/2-A	LCS 680-202674/2-A	Total/NA	Water	351.2	202674
680-67790-7	MW-8D	Total/NA	Water	351.2	202674
680-67790-9	MW-6	Total/NA	Water	351.2	202674
680-67790-12	SDB-MW-2	Total/NA	Water	351.2	202674
680-67790-13	SDB-MW-3	Total/NA	Water	351.2	202674
680-67790-8	MW-8U	Total/NA	Water	351.2	202674
680-67790-10	MW-3	Total/NA	Water	351.2	202674
680-67790-11	SDB-MW-1	Total/NA	Water	351.2	202674

Analysis Batch: 202912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-202912/12	MB 680-202912/12	Total/NA	Water	9060	
LCS 680-202912/13	LCS 680-202912/13	Total/NA	Water	9060	
680-67790-7	MW-8D	Total/NA	Water	9060	

QC Association Summary

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

General Chemistry (Continued)

Analysis Batch: 202912 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-67790-8	MW-8U	Total/NA	Water	9060	
680-67790-9	MW-6	Total/NA	Water	9060	
680-67790-10	MW-3	Total/NA	Water	9060	
680-67790-11	SDB-MW-1	Total/NA	Water	9060	
680-67790-12	SDB-MW-2	Total/NA	Water	9060	
680-67790-13	SDB-MW-3	Total/NA	Water	9060	

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Lab Chronicle

Client: Ashland Inc.
Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1
SDG: HAQ034

Client Sample ID: MW-8D

Date Collected: 04/26/11 09:25

Date Received: 04/28/11 10:03

Lab Sample ID: 680-67790-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	201744	05/02/11 21:39	RB	TAL SAV
Total/NA	Prep	3520C			1049.5 mL	1 mL	201675	05/03/11 14:47	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			202342	05/09/11 14:27	ND	TAL SAV
Total/NA	Analysis	8015B		1	1.0	1 mL	201557	04/29/11 20:47	DH	TAL SAV
Total/NA	Analysis	8015B		1	1.0	1 mL	204798	04/29/11 20:47	TC	TAL SAV
Total/NA	Prep	3010A			50 mL	250 mL	201734	05/03/11 12:19	RA	TAL SAV
Total/NA	Analysis	6020		1			201938	05/04/11 14:16	BB	TAL SAV
Total/NA	Analysis	6020		1			201977	05/04/11 17:14	BR	TAL SAV
Total/NA	Analysis	353.2		1	2 mL	2 mL	201549	04/28/11 16:53	JR	TAL SAV
Total/NA	Analysis	375.4		1	2 mL	2 mL	202581	05/11/11 12:05	JR	TAL SAV
Total/NA	Analysis	325.2		1	2 mL	2 mL	202657	05/11/11 15:04	JR	TAL SAV
Total/NA	Prep	351.2			20 mL	20 mL	202674	05/11/11 19:55	JR	TAL SAV
Total/NA	Analysis	351.2		1			202820	05/12/11 15:39	JR	TAL SAV
Total/NA	Analysis	9060		1	25 mL	25 mL	202912	05/13/11 11:06	TH	TAL SAV

Client Sample ID: MW-8U

Date Collected: 04/26/11 11:20

Date Received: 04/28/11 10:03

Lab Sample ID: 680-67790-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	100	5 mL	5 mL	201744	05/02/11 22:08	RB	TAL SAV
Total/NA	Analysis	8260B		20	5 mL	5 mL	201920	05/03/11 23:46	RB	TAL SAV
Total/NA	Prep	3520C			1046.4 mL	1 mL	201675	05/03/11 14:47	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			202342	05/09/11 14:54	ND	TAL SAV
Total/NA	Analysis	8015B		1	1.0	1 mL	201557	04/29/11 21:11	DH	TAL SAV
Total/NA	Analysis	8015B		1	1.0	1 mL	204798	04/29/11 21:11	TC	TAL SAV
Total/NA	Prep	3010A			50 mL	250 mL	201734	05/03/11 12:19	RA	TAL SAV
Total/NA	Analysis	6020		1			201938	05/04/11 14:20	BB	TAL SAV
Total/NA	Analysis	6020		1			201977	05/04/11 17:21	BR	TAL SAV
Total/NA	Analysis	6020		2			202082	05/05/11 11:48	BB	TAL SAV
Total/NA	Analysis	353.2		1	2 mL	2 mL	201549	04/28/11 16:54	JR	TAL SAV
Total/NA	Analysis	375.4		10	2 mL	2 mL	202581	05/11/11 12:40	JR	TAL SAV
Total/NA	Analysis	325.2		5	2 mL	2 mL	202657	05/11/11 15:35	JR	TAL SAV
Total/NA	Prep	351.2			20 mL	20 mL	202674	05/11/11 19:55	JR	TAL SAV
Total/NA	Analysis	351.2		5			202820	05/12/11 16:27	JR	TAL SAV
Total/NA	Analysis	9060		1	25 mL	25 mL	202912	05/13/11 11:23	TH	TAL SAV

Client Sample ID: MW-6

Date Collected: 04/26/11 11:45

Date Received: 04/28/11 10:03

Lab Sample ID: 680-67790-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	5 mL	5 mL	201744	05/02/11 22:37	RB	TAL SAV

TestAmerica Savannah

Lab Chronicle

Client: Ashland Inc.
Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1
SDG: HAQ034

Client Sample ID: MW-6

Date Collected: 04/26/11 11:45

Date Received: 04/28/11 10:03

Lab Sample ID: 680-67790-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			909.5 mL	1 mL	201675	05/03/11 14:47	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			202342	05/09/11 15:21	ND	TAL SAV
Total/NA	Analysis	8015B		1	1.0	1 mL	201557	04/29/11 21:34	DH	TAL SAV
Total/NA	Analysis	8015B		1	1.0	1 mL	204798	04/29/11 21:34	TC	TAL SAV
Total/NA	Prep	3010A			50 mL	250 mL	201734	05/03/11 12:19	RA	TAL SAV
Total/NA	Analysis	6020		1			201938	05/04/11 14:24	BB	TAL SAV
Total/NA	Analysis	6020		1			201977	05/04/11 17:28	BR	TAL SAV
Total/NA	Analysis	6020		2			202082	05/05/11 11:52	BB	TAL SAV
Total/NA	Analysis	353.2		1	2 mL	2 mL	201549	04/28/11 16:56	JR	TAL SAV
Total/NA	Analysis	375.4		5	2 mL	2 mL	202581	05/11/11 12:38	JR	TAL SAV
Total/NA	Analysis	325.2		10	2 mL	2 mL	202657	05/11/11 16:01	JR	TAL SAV
Total/NA	Prep	351.2			20 mL	20 mL	202674	05/11/11 19:55	JR	TAL SAV
Total/NA	Analysis	351.2		1			202820	05/12/11 15:39	JR	TAL SAV
Total/NA	Analysis	9060		1	25 mL	25 mL	202912	05/13/11 11:41	TH	TAL SAV

Client Sample ID: MW-3

Date Collected: 04/26/11 15:55

Date Received: 04/28/11 10:03

Lab Sample ID: 680-67790-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	201921	05/03/11 14:32	RB	TAL SAV
Total/NA	Prep	3520C			1042.6 mL	1 mL	201675	05/03/11 14:47	RBS	TAL SAV
Total/NA	Analysis	8270C LL		1			202342	05/09/11 15:48	ND	TAL SAV
Total/NA	Analysis	8015B		1	1.0	1 mL	201557	04/29/11 21:58	DH	TAL SAV
Total/NA	Analysis	8015B		1	1.0	1 mL	204798	04/29/11 21:58	TC	TAL SAV
Total/NA	Prep	3010A			50 mL	250 mL	201734	05/03/11 12:19	RA	TAL SAV
Total/NA	Analysis	6020		1			201938	05/04/11 14:27	BB	TAL SAV
Total/NA	Analysis	6020		1			201977	05/04/11 17:35	BR	TAL SAV
Total/NA	Analysis	353.2		1	2 mL	2 mL	201549	04/28/11 16:59	JR	TAL SAV
Total/NA	Analysis	375.4		2	2 mL	2 mL	202581	05/11/11 12:38	JR	TAL SAV
Total/NA	Analysis	325.2		3	2 mL	2 mL	202657	05/11/11 15:43	JR	TAL SAV
Total/NA	Prep	351.2			20 mL	20 mL	202674	05/11/11 19:55	JR	TAL SAV
Total/NA	Analysis	351.2		2			202820	05/12/11 16:27	JR	TAL SAV
Total/NA	Analysis	9060		1	25 mL	25 mL	202912	05/13/11 12:06	TH	TAL SAV

Client Sample ID: SDB-MW-1

Date Collected: 04/26/11 14:25

Date Received: 04/28/11 10:03

Lab Sample ID: 680-67790-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	201744	05/02/11 23:34	RB	TAL SAV
Total/NA	Analysis	8015B		1	1.0	1 mL	201557	04/29/11 22:22	DH	TAL SAV
Total/NA	Analysis	8015B		1	1.0	1 mL	204798	04/29/11 22:22	TC	TAL SAV

TestAmerica Savannah

Lab Chronicle

Client: Ashland Inc.
Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1
SDG: HAQ034

Client Sample ID: SDB-MW-1

Date Collected: 04/26/11 14:25

Date Received: 04/28/11 10:03

Lab Sample ID: 680-67790-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	250 mL	201734	05/03/11 12:19	RA	TAL SAV
Total/NA	Analysis	6020		1			201938	05/04/11 14:31	BB	TAL SAV
Total/NA	Analysis	6020		1			201977	05/04/11 17:42	BR	TAL SAV
Total/NA	Analysis	353.2		1	2 mL	2 mL	201549	04/28/11 17:00	JR	TAL SAV
Total/NA	Analysis	375.4		1	2 mL	2 mL	202581	05/11/11 12:34	JR	TAL SAV
Total/NA	Analysis	325.2		1	2 mL	2 mL	202657	05/11/11 15:01	JR	TAL SAV
Total/NA	Prep	351.2			20 mL	20 mL	202674	05/11/11 19:55	JR	TAL SAV
Total/NA	Analysis	351.2		5			202820	05/12/11 16:27	JR	TAL SAV
Total/NA	Analysis	9060		1	25 mL	25 mL	202912	05/13/11 12:25	TH	TAL SAV

Client Sample ID: SDB-MW-2

Date Collected: 04/26/11 15:20

Date Received: 04/28/11 10:03

Lab Sample ID: 680-67790-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	201744	05/03/11 00:03	RB	TAL SAV
Total/NA	Analysis	8015B		1	1.0	1 mL	201557	04/29/11 22:46	DH	TAL SAV
Total/NA	Analysis	8015B		1	1.0	1 mL	204798	04/29/11 22:46	TC	TAL SAV
Total/NA	Prep	3010A			50 mL	250 mL	201734	05/03/11 12:19	RA	TAL SAV
Total/NA	Analysis	6020		1			201938	05/04/11 14:35	BB	TAL SAV
Total/NA	Analysis	6020		1			201977	05/04/11 17:49	BR	TAL SAV
Total/NA	Analysis	6020		2			203262	05/17/11 15:49	BR	TAL SAV
Total/NA	Analysis	353.2		1	2 mL	2 mL	201549	04/28/11 17:02	JR	TAL SAV
Total/NA	Analysis	375.4		50	2 mL	2 mL	202581	05/11/11 13:25	JR	TAL SAV
Total/NA	Analysis	325.2		3	2 mL	2 mL	202657	05/11/11 15:43	JR	TAL SAV
Total/NA	Prep	351.2			20 mL	20 mL	202674	05/11/11 19:55	JR	TAL SAV
Total/NA	Analysis	351.2		1			202820	05/12/11 15:39	JR	TAL SAV
Total/NA	Analysis	9060		1	25 mL	25 mL	202912	05/13/11 12:44	TH	TAL SAV

Client Sample ID: SDB-MW-3

Date Collected: 04/26/11 16:10

Date Received: 04/28/11 10:03

Lab Sample ID: 680-67790-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	201744	05/03/11 00:32	RB	TAL SAV
Total/NA	Analysis	8260B	DL	20	5 mL	5 mL	201921	05/03/11 16:59	RB	TAL SAV
Total/NA	Analysis	8015B		1	1.0	1 mL	201557	04/29/11 23:10	DH	TAL SAV
Total/NA	Analysis	8015B		1	1.0	1 mL	204798	04/29/11 23:10	TC	TAL SAV
Total/NA	Prep	3010A			50 mL	250 mL	201734	05/03/11 12:19	RA	TAL SAV
Total/NA	Analysis	6020		1			201938	05/04/11 14:39	BB	TAL SAV
Total/NA	Analysis	6020		1			201977	05/04/11 17:56	BR	TAL SAV
Total/NA	Analysis	353.2		1	2 mL	2 mL	201549	04/28/11 17:03	JR	TAL SAV
Total/NA	Analysis	375.4		50	2 mL	2 mL	202581	05/11/11 13:25	JR	TAL SAV

TestAmerica Savannah

Lab Chronicle

Client: Ashland Inc.
Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1
SDG: HAQ034

Client Sample ID: SDB-MW-3

Date Collected: 04/26/11 16:10

Date Received: 04/28/11 10:03

Lab Sample ID: 680-67790-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	325.2		5	2 mL	2 mL	202657	05/11/11 15:35	JR	TAL SAV
Total/NA	Prep	351.2			20 mL	20 mL	202674	05/11/11 19:55	JR	TAL SAV
Total/NA	Analysis	351.2		1			202820	05/12/11 15:39	JR	TAL SAV
Total/NA	Analysis	9060		1	25 mL	25 mL	202912	05/13/11 13:01	TH	TAL SAV

Client Sample ID: Trip Blank 1

Date Collected: 04/26/11 00:00

Date Received: 04/28/11 10:03

Lab Sample ID: 680-67790-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	201744	05/02/11 19:44	RB	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Serial Number 024915

TestAmerica

Corrective Action

THE LEADER IN ENVIRONMENTAL TESTING

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

AquaViva Envizion
Lynn Wright
Client Name: CES
Client Address:

TestAmerica Savannah
 5102 La Roche Avenue
 Savannah, GA 31404

Phone:
Fax:Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165 Alternate Laboratory Name/Location

PROJECT REFERENCE		PROJECT NO.	PROJECT LOCATION (STATE)	MATRIX TYPE	REQUIRED ANALYSIS	PAGE	OF
TAL (LAB) PROJECT MANAGER	Lynn Envizion	P.O. NUMBER	CONTRACT NO.		STANDARD REPORT	1	1
CLIENT SITE/PM	Evin Wright	CLIENT PHONE	CLIENT FAX		DATE DUE		
CLIENT NAME	CES	CLIENT E-MAIL			EXPEDITED REPORT		
CLIENT ADDRESS					DELIVERY (SURCHARGE)		
COMPANY CONTRACTING THIS WORK (if applicable)							
SAMPLE		SAMPLE IDENTIFICATION		NUMBER OF CONTAINERS SUBMITTED			
DATE	TIME			REMARKS			
4/16	0925	MW-0D					
1120		MW-BU					
1445		MW-0					
1555		MW-3					
1415		SDB-MW-1					
1520		SDB-MW-2					
1610		SDB-MW-3					
Trip Blank							
RELINQUISHED BY: (SIGNATURE) <i>Kate</i>	DATE 4/20/11	TIME 1900	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	REINQUISITION BY: (SIGNATURE)	DATE
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE
LABORATORY USE ONLY							
RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>Mark Lown</i>	DATE 4/20/11	TIME 1003	CUSTODY INTACT YES <input checked="" type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO. 680-67740	SAVANNAH LOG NO. 04102061421204080C	LABORATORY REMARKS	

TAL8240-680 (1207)

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Login Sample Receipt Checklist

Client: Ashland Inc.

Job Number: 680-67790-1

SDG Number: HAQ034

Login Number: 67790

List Source: TestAmerica Savannah

List Number: 1

Creator: Conner, Keaton

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	7 coolers rec'd on ice
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.1 - 4.2 C Temp Range
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	False	MW-8D Sulfide containers not labeled
Samples are received within Holding Time.	True	NO3/NO2/Fe+2/oPhos holds exceeded due to transport delay.
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	1 liter MW-8U rec'd broken/1-16 oz glass GSB-3 (28-33) rec'd broken
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	Insufficient volume received for MS/MSD.
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: Ashland Inc.

Project/Site: Aqualon Hopewell - GW CA APR 2011

TestAmerica Job ID: 680-67790-1

SDG: HAQ034

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Savannah	A2LA	DoD ELAP	0	0399-01
TestAmerica Savannah	A2LA	ISO/IEC 17025	0	399.01
TestAmerica Savannah	Alabama	State Program	4	41450
TestAmerica Savannah	Arkansas	Arkansas DOH	6	N/A
TestAmerica Savannah	Arkansas	State Program	6	88-0692
TestAmerica Savannah	California	NELAC	9	3217CA
TestAmerica Savannah	Colorado	State Program	8	N/A
TestAmerica Savannah	Connecticut	State Program	1	PH-0161
TestAmerica Savannah	Delaware	State Program	3	N/A
TestAmerica Savannah	Florida	NELAC	4	E87052
TestAmerica Savannah	Georgia	Georgia EPD	4	N/A
TestAmerica Savannah	Georgia	State Program	4	803
TestAmerica Savannah	Guam	State Program	9	09-005r
TestAmerica Savannah	Hawaii	State Program	9	N/A
TestAmerica Savannah	Illinois	NELAC	5	200022
TestAmerica Savannah	Indiana	State Program	5	N/A
TestAmerica Savannah	Iowa	State Program	7	353
TestAmerica Savannah	Kansas	NELAC	7	E-10322
TestAmerica Savannah	Kentucky	Kentucky UST	4	18
TestAmerica Savannah	Kentucky	State Program	4	90084
TestAmerica Savannah	Louisiana	NELAC	6	30690
TestAmerica Savannah	Louisiana	NELAC	6	LA100015
TestAmerica Savannah	Maine	State Program	1	GA00006
TestAmerica Savannah	Maryland	State Program	3	250
TestAmerica Savannah	Massachusetts	State Program	1	M-GA006
TestAmerica Savannah	Michigan	State Program	5	9925
TestAmerica Savannah	Mississippi	State Program	4	N/A
TestAmerica Savannah	Montana	State Program	8	CERT0081
TestAmerica Savannah	Nebraska	State Program	7	TestAmerica-Savannah
TestAmerica Savannah	Nevada	State Program	9	GA6
TestAmerica Savannah	New Jersey	NELAC	2	GA769
TestAmerica Savannah	New Mexico	State Program	6	N/A
TestAmerica Savannah	New York	NELAC	2	10842
TestAmerica Savannah	North Carolina	North Carolina DENR	4	269
TestAmerica Savannah	North Carolina	North Carolina PHL	4	13701
TestAmerica Savannah	Oklahoma	State Program	6	9984
TestAmerica Savannah	Pennsylvania	NELAC	3	68-00474
TestAmerica Savannah	Puerto Rico	State Program	2	GA00006
TestAmerica Savannah	Rhode Island	State Program	1	LAO00244
TestAmerica Savannah	South Carolina	State Program	4	98001
TestAmerica Savannah	Tennessee	State Program	4	TN02961
TestAmerica Savannah	Texas	NELAC	6	T104704185-08-TX
TestAmerica Savannah	USDA	USDA	0	SAV 3-04
TestAmerica Savannah	Vermont	State Program	1	87052
TestAmerica Savannah	Virginia	State Program	3	302
TestAmerica Savannah	Washington	State Program	10	C1794
TestAmerica Savannah	West Virginia	West Virginia DEP	3	94
TestAmerica Savannah	West Virginia	West Virginia DHHR (DW)	3	9950C
TestAmerica Savannah	Wisconsin	State Program	5	999819810
TestAmerica Savannah	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.